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MARYLAND ORNITHOLOGICAL SOCIETY, INC.

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Life Membership	200.00 (4 annual installments)
Member-at-Large	5.00



BURROWING OWL IN GARRETT COUNTY, MARYLAND

FRAN POPE

I first learned of the Burrowing Owl (*Athene cunicularia*) in Garrett County about 10 p.m. Thursday, May 19, 1983 when I returned home from teaching an evening class. My husband, Bill, asked me how common Burrowing Owls were in the county. He went on to explain (after hearing my gasp) that Eric Tribbey had told him earlier that day of a bird he and Peg Kaiser had seen about 4 p.m. the day before as they drove down a road south of Oakland. Interested, my husband had then jogged by the spot about 6 p.m. Thursday, seen the bird, and since I was in class, had called Sallie Thayer who was able to go out to the spot, observe the bird and identify it as a Burrowing Owl.

I could hardly sleep Thursday night from worrying the bird might be gone before morning. About 7 a.m. Friday, May 20, 1983, Bill and I headed for the location, pulled onto a side lane and scanned the plowed fields for the owl. We couldn't find it. As we backed the car onto the main road and started to drive slowly along it, the owl flushed from the other side of the road, flew across in front of us, and landed on a dirt clod about 20-30 feet away in the plowed field.

I began taking pictures of it from the car as well as watching it through 10 x 50 binoculars and a 20 power telescope. The bird remained on the clod until I tried to move the car ahead slightly in order to decrease the distance between us. The owl then flew toward the east, went over a slight hill and disappeared. I had an excellent look at it and recognized it as a Burrowing Owl (a species I'd gotten to know in Colorado when we used to visit and observe a colony just east of Denver). We saw the owl several more times Friday morning before leaving the location about 8 a.m.

This was not a large owl: roughly screech-owl size, larger than a Saw-whet, and smaller than a Barred. Its color seemed to exactly match the soil of the area, and sometimes appeared a clay-like brown with lighter spotting on the back. The lighter underparts were barred with darker color. The long feathered legs were one of its most noticeable features as it usually perched atop a dirt clod or a rock in plain sight. Sometimes it would stretch up as high as it could, and at other times, would squat as low as it could.

The head was rounded and without ear tufts. Its eyes were bright yellow and easily seen since the bird usually stared at the observer, with occasional looks to either side, behind, or above. A light line over each eye converged at the base of the upper mandible and seemed to form a wide "V" above the eyes. A similarly colored light line below the eyes and lower mandible ran almost parallel to the one over the eyes. In between the light lines were the facial discs, such as they were, giving the owl something of a "masked" appearance on occasion. Below the lower

light line was a darker line that seemed to be primarily on the ventral aspect of the neck and which could usually be seen best when the bird flew, but not always when it was perched. A small white area on the chest, below the dark 'collar,' was occasionally seen, but it seemed the owl usually perched turned sideways to the observer and then turned its head to watch us "across its shoulder." The tail was short and almost covered by the folded wings when the bird perched.

The owl's behavior was interesting in several ways. Whenever it landed, it did several 'bows' or dips in different directions, and uttered a low rolling cluck with each dip. For a wild bird, it allowed approach within a very close distance, less close when we were on foot than in the car. It seemed very tame, but it was also wary. On several occasions, after it had flown over the slight hill and out of sight, we'd either find it or flush it from one of the ditches or culverts which were along each side of the road. It seemed to prefer these sheltered places, and this may have been because the wind was increasing. When it would fly into the field, and it usually went into one of the plowed fields (whose color it matched perfectly), it would only go 20 to 40 feet into the field from the road. This made photographing it quite easy, and consequently, I was able to take many pictures of the bird.

Connie Skipper and I went back to see the owl later Friday morning. By then the wind was blowing harder than earlier, and the owl constantly sought protection in the ditches or culverts. In fact, we couldn't find it at first and when it finally flushed, it came out of one of the culverts. We were concerned that the bird had been harassed too much that morning, so we left after about an hour. I returned at 6:50 p.m. Friday evening and could see from my car that the owl was in the same spot next to the dandelions where Connie and I had last seen it. Not wanting to bother the bird any more that day, I just drove on by without stopping. That was the last time I saw the Burrowing Owl in Garrett County although I have returned 5 or 6 times since then and have searched the nearby fields and ditches without finding it.

503 F Street, Mountain Lake Park, MD 21550

[This beautifully documented observation has been accepted by the Maryland Records Committee. Based on records from other eastern states, the next Maryland record of a Burrowing Owl should come from the coast, or possibly an airport — Ed.]

FIRST YEAR OF THE MARYLAND/DC BREEDING BIRD ATLAS PROJECT

JOHN CULLOM

The first year of the Maryland/DC Breeding Bird Atlas Project was a terrific success, thanks to the efforts of the Maryland Ornithological Society, the Department of Natural Resources of the State of Maryland and other supporting organizations like Audubon Naturalist Society and Southern Maryland Audubon. This is the biggest bird project ever undertaken in the Maryland area. Some 650 people participated, about 450 doing field work and 200 more donating either money or committee time.

All this effort resulted in finding 197 species of birds believed to breed in Maryland or the District. Of the 197, 177 species were confirmed as breeding in the area.

The other 20 suspected breeders will have to be verified in the next four years, and we should exceed 200 species before the Atlas is finished.

Although we found no previously unrecorded breeding birds in the state, many first local records were reported and several species were found that are rare. A few examples:

Pied-billed Grebes have been known to breed only a few times in Maryland away from Deal Island, but we confirmed breeding for four other localities, with several "possibles" also reported. Canada Geese were found to breed in small numbers in most parts of the state. Cooper's Hawks were "the most common nesting raptor in Allegany County" according to one reporter, and a large number of nests were found. A Long-eared Owl spent the summer in Kent County, giving hope of confirming one of the rarest nesters in the state. Two Northern Saw-whet Owls in Garrett County were exciting. Three reports of Loggerhead Shrike gave hope for this species which is in drastic decline. Yellow-rumped "Myrtle" Warblers were found in Garrett County, the first possible breeders in the state in almost 100 years. Dickcissels were found at three locations on the Eastern Shore, an area where they had never been proven to breed. Did this phenomenon result from the PIK (Payment in Kind) program of Federal payments for letting some corn and wheat fields lie fallow?

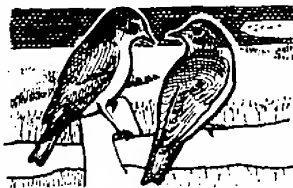
As expected, the Atlas coverage was best in the urbanized center of Maryland/DC and in counties with active bird clubs. Exceptions were Garrett County, with no local organization but a super effort, and Cecil County, with the dedication of the local coordinator and a few very active birders. Areas least covered this first year were Allegany and parts of Charles and St. Marys Counties, and parts of the central and lower Eastern Shore. Atlas trips during the 1983 MOS Convention helped considerably in Worcester County, but we still need the help of birders visiting the beach in summer for Eastern Shore coverage.

We will need all of the next four years to achieve the goal of recording 80% of the species breeding in every block. At the end of 1983 we had about 42,000 individual records of the estimated 100,000 records needed. We are nearly 40% of the way home, but new birds will be harder to find every year, especially in the more remote parts.

The first year financial status of the Atlas is summarized below. We need help from as many people as possible, both with finances and in the field. If you were not able to join us in 1983, please consider doing so now. Local coordinators can be contacted through the local chapters of the MOS. We want every member of MOS to be a part of the final product!

1983 INCOME	\$ 9,203
This includes \$3,443 from individual contributors and \$5,760 in grants as follows: \$4,000 from MOS State, \$1,500 from Baltimore Chapter Martin Fund, \$100 each from Patuxent and Washington Chapters, and \$60 from Frederick Chapter.	
1983 EXPENSES	7,926
Including \$4,233 for Coordinator's salary and allowance and \$3,693 for Printing and Miscellaneous	
BALANCE	\$ 1,277
CONTRIBUTED SERVICES (equivalent value)	\$10,000
Including \$7,000 DNR Computer Facilities and \$3,000 Use of tum Suden Sanctuary, MOS State & Harford Chapter	

*Chairman, Atlas Committee,
437 Paradise Ave., Baltimore, MD 21228*



THE SEASON

SPRING MIGRATION, MARCH 1—MAY 31, 1984

ROBERT F. RINGLER

The early part of the spring was cool and wet. Shorebirds seemed to be affected most as many were late in arriving in large numbers. Also affected were passerines normally arriving early in April such as Louisiana Waterthrush and Blue-gray Gnatcatcher. The migration of many of the passerines began slightly early, particularly so for the species that commonly arrive in late April and early May. The fortuitous coincidence of a large migration wave on the weekend of April 28-29 placed birds together with observers to record their presence. Many observers found this spring to be one of the best ever for songbirds, and for warblers in particular. As the weather cooled in May the migration slowed and many transient passerines remained in the big wave that struck on the weekend of May 19-20 when many observers recorded their departure dates. More warblers and thrushes than usual spilled over into June. Compare the median dates in Tables 1 and 2 for this year and for the past 10 years to see how each species fared.

Observers:

Garrett—Connie Skipper, Sallie Thayer.

Allegany—Teresa Simons, Mary Twigg.

Washington—Bob Keedy, Alice Mallonee.

Frederick—David Wallace.

Baltimore—Haven Kolb, Steve Simon, Eddie Slaughter, Charlie Swift, Glenn Therres, Pete Webb, Jim Wilkinson.

Harford—Rick Blom, Dennis Kirkwood, Bob Schutsky.

Howard—Jon K. Boone, George Chase, Martha Chestem, Edward J. Dietrich, Chuck Dupree, Jerry Einem, Jane Farrell, Sandy Goalsby, Pat Hint, David Holmes, Clark Jeschke, Chris Ludwig, Brigitte Lund, Grazina & Mike McClure, Harvey Mudd, Rosamond Munro, Bea Newkirk, Jim Orgain, Don & Jan Randle, Chan Robbins, Jo Solem, Eva Sunell, Mark Wallace, Charles Williams.

Montgomery—Bob Augustine, Larry Bonham, Margaret Donald, John, Michael & Paul O'Brien, Susan Strange, John Weske.

District of Columbia—Dave Czaplak, Byron Swift.

Prince Georges—John Gregoire, Wally Sumner, Hal Wierenga.

Anne Arundel—Shirley Geddes, Alex & Helene Hammer, Wayne Klockner, Dottie Mumford.

Charles—Paul Nistico.

Calvert—Walter Kraus.

St. Marys—Ron Runkles, Ernie Willoughby, Erika Wilson.

Kent—Jim Gruber, Floyd Parks.

Caroline—H. Christopher, Ethel Engle, Jerry & Roberta Fletcher, Inex Glime, Marvin Hewitt, Ruth Jones, Alicia Knotts, Mariana Nuttle, Wilbur Rittenhouse, William Turkington.

Talbot—Terry Allen, Les Coble, Jeff Effinger, Steve Goodbred, Dick Kleen, Don Meritt, Jan Reese, Kathy Trever.

Lower Eastern Shore—Henry Armistead, Sam Dyke, Mike Resch.

For the past 30 years, 1954-83, we have shown the earliest arrival and latest departure dates for individual counties in large tables. For three years prior to that, dates were given for localities rather than counties. Now that I am storing all the significant dates on my computer, I believe we can dispense with publication of the big tables. I shall continue to use the dates submitted to compute the median arrival and departure dates as in the past (Tables 1 and 2), and I shall mention the most important dates in the text, together with the names of the observers.

In the following text all banding notes from Adventure Sanctuary are from Margaret Donald, and all those from Sandy Spring are from John Weske. A plus sign (+) after a name indicates there were other observers. TCBC = Talbot County Bird Club and WMA = Wildlife Management Area.

Loons, Grebes. The only Red-throated Loon reported this spring was at Lapidum on the Susquehanna River on April 12 (Schutsky). Common Loons moved early again this year with 5 in St. Marys County on March 19 (Wilson), 1 at Wades Point, Talbot County on March 20 (Effinger), 1 at Rocky Gap in Allegany County on March 22 (Twigg), and 1 on Loch Raven on March 23 (Simon). Concentrations of Common Loons were reported on April 5 with 20 at Rock Hall (Gruber) and on April 20 with 40 near Bellevue, Talbot County (Armistead). Late birds were on the Potomac River off the Naval Research Lab in DC on May 24 (Czaplak), at Rocky Gap on June 1 (Simons), and in Hopkins Creek off the Severn River on June 2 (Therres). A Pied-billed Grebe on the lake at Bittinger on May 21 (Skipper) may have stayed to breed. Flocks of Horned Grebes were noted in DC with 34 on April 3 (Czaplak), on Chesapeake Bay with 300 from Rose Haven to Chesapeake Beach on April 8 (Blom), 155 at North Beach on April 15 (Hammer), and 90 near Bellevue on April 19 (Armistead). Red-necked Grebes made a good showing beginning with 1 on Wilde Lake in Columbia from Feb. 24 through at least March 18 (S. Whitecomb +). Others were on Loch Raven from March 6 through April 9 with a high of 6 on March 27 and April 2 (Simon +), 2 in DC on March 8 (Czaplak), 2 at Piney Run in Carroll County, March 10-17 (Webb +), 1 off Bay Forest Road in St. Marys County on March 19 (Wilson), 1 on Greenbelt Lake on March 20 (Jack Wennerstrom), 2 off Fort Smallwood on March 31 (Klockner, Wierenga), and 2 on Triadelphia Reservoir at Brighton Dam, April 1-7 (M. Wallace +). A breeding-plumaged Eared Grebe was at Hughes Hollow near Seneca on April 5 (Blom) for the second spring record in Maryland.

Gannets, Cormorants, Frigatebird. The only Northern Gannets reported were 2 off Assateague Island on May 18 (Resch). The earliest Double-crested Cormorants were 1 at Pooles Island on March 2 (Gruber) and 2 at Bivalve on March 3 (Hammers). In addition there were 2 in DC on March 28 and a high of 10 on May 24, 2 of which remained on May 25 (Czaplak). Flocks were noted with 115 at Love Point Light on April 10 (Gruber), 25 at Bozman on April 11 and 50 at Claiborne on April 27 (Effinger), 500 at Assateague on May 18 (Resch), 121 at Conowingo on May 24 (Schutsky), and 92 at Barren Island on May 27 (Armistead). Inland birds were 1

Table 1. Spring Arrival Dates, 1984

Species	10-Yr. Median	1984 Median	Species	10-Yr. Median	1984 Median
Common Loon	4/7	3/24	Black Tern	5/9	5/8
Pied-billed Grebe	3/12	3/1	Black-billed Cuckoo	5/8	5/10
Horned Grebe	3/20	3/1	Yellow-billed Cuckoo	5/3	5/5
Red-necked Grebe	—	3/6	Common Nighthawk	5/7	5/5
Double-crested Cormorant	4/9	3/23	Whip-poor-will	4/23	4/22
Great Blue Heron	3/16	3/19	Chimney Swift	4/17	4/14
Great Egret	4/9	4/8	Ruby-throated Hummingbird	4/30	4/28
Snowy Egret	4/10	4/11	Belted Kingfisher	3/12	3/18
Cattle Egret	4/12	4/4	Yellow-bellied Sapsucker	3/29	3/18
Green-backed Heron	4/17	4/18	Yellow-bellied Flycatcher	—	5/17
Glossy Ibis	4/9	4/12	Willow Flycatcher	5/19	5/17
Tundra Swan	3/3	2/18	Eastern Phoebe	3/17	3/16
Canada Goose	2/26	2/18	Great Crested Flycatcher	5/1	4/27
Wood Duck	3/8	2/21	Eastern Kingbird	4/25	4/24
Green-winged Teal	3/22	2/25	Purple Martin	3/30	3/25
Northern Pintail	3/4	2/23	Tree Swallow	3/28	3/17
Blue-winged Teal	3/21	3/21	N. Rough-winged Swallow	4/10	4/2
Northern Shoveler	3/17	2/25	Bank Swallow	4/26	4/22
Gadwall	3/13	2/25	Cliff Swallow	4/27	4/18
American Wigeon	3/7	2/20	Barn Swallow	4/5	4/2
Canvasback	3/9	2/19	Brown Creeper	3/25	3/21
Redhead	3/6	2/19	House Wren	4/20	4/20
Ring-necked Duck	3/7	2/23	Golden-crowned Kinglet	3/26	3/25
Lesser Scaup	3/8	2/27	Ruby-crowned Kinglet	4/8	4/12
Oldsquaw	3/20	3/21	Blue-gray Gnatcatcher	4/10	4/15
Common Goldeneye	3/4	2/18	Eastern Bluebird	2/27	2/18
Bufflehead	3/7	2/15	Veery	5/2	4/28
Hooded Merganser	3/7	2/21	Gray-cheeked Thrush	5/11	5/12
Common Merganser	3/4	2/18	Swainson's Thrush	5/4	4/29
Red-breasted Merganser	3/17	3/18	Hermit Thrush	4/13	4/8
Ruddy Duck	3/17	3/16	Wood Thrush	4/24	4/26
Osprey	3/25	3/16	American Robin	2/22	2/19
Northern Harrier	3/8	3/4	Gray Catbird	4/25	4/26
Sharp-shinned Hawk	—	3/14	Brown Thrasher	4/8	4/14
Cooper's Hawk	—	3/18	Water Pipit	3/15	3/27
Broad-winged Hawk	4/15	4/18	White-eyed Vireo	4/19	4/20
Merlin	—	4/1	Solitary Vireo	4/24	4/21
Common Moorhen	5/1	4/28	Yellow-throated Vireo	4/30	4/27
American Coot	3/17	3/16	Warbling Vireo	4/30	4/28
Killdeer	2/27	2/19	Red-eyed Vireo	4/28	4/27
Lesser Yellowlegs	4/15	3/29	Blue-winged Warbler	4/30	4/28
Solitary Sandpiper	4/21	4/20	Tennessee Warbler	5/3	5/4
Spotted Sandpiper	4/24	4/20	Nashville Warbler	5/2	4/28
Semipalmated Sandpiper	5/3	5/5	Northern Parula	4/21	4/20
Least Sandpiper	4/25	4/22	Yellow Warbler	4/25	4/27
White-rumped Sandpiper	5/6	5/6	Chestnut-sided Warbler	5/3	4/29
Dunlin	4/19	4/11	Magnolia Warbler	5/3	4/29
Common Snipe	3/14	3/15	Cape May Warbler	5/3	5/5
American Woodcock	3/1	2/20	Black-throated Blue Warbler	5/3	4/28
Laughing Gull	4/5	4/1	Yellow-rumped Warbler	4/15	4/14
Bonaparte's Gull	3/31	3/27	Black-throated Green Warbler	5/2	4/29
Caspian Tern	4/18	4/15	Blackburnian Warbler	5/4	4/29

Table 1. (con't.) Spring Arrival Dates, 1984

Species	10-Yr. Median	1984 Median	Species	10-Yr. Median	1984 Median
Yellow-throated Warbler	4/16	4/14	Summer Tanager	5/3	4/30
Pine Warbler	3/17	3/19	Scarlet Tanager	4/29	4/28
Prairie Warbler	4/24	4/27	Rose-breasted Grosbeak	5/3	5/1
Palm Warbler	4/16	4/8	Blue Grosbeak	5/2	4/28
Bay-breasted Warbler	5/6	5/10	Indigo Bunting	5/1	4/27
Blackpoll Warbler	5/5	4/30	Chipping Sparrow	4/4	4/2
Cerulean Warbler	5/3	4/29	Vesper Sparrow	4/8	3/30
Black-&-white Warbler	4/20	4/18	Savannah Sparrow	3/28	3/30
American Redstart	4/28	4/27	Grasshopper Sparrow	5/2	4/25
Prothonotary Warbler	4/22	4/20	Fox Sparrow	3/1	2/27
Worm-eating Warbler	4/30	4/29	Lincoln's Sparrow	5/10	5/6
Ovenbird	4/22	4/17	Swamp Sparrow	4/15	3/28
Northern Waterthrush	4/30	4/28	White-crowned Sparrow	5/1	4/30
Louisiana Waterthrush	4/7	4/8	Bobolink	5/3	4/29
Kentucky Warbler	5/1	4/30	Red-winged Blackbird	2/12	2/21
Mourning Warbler	5/19	5/18	Rusty Blackbird	3/15	3/17
Common Yellowthroat	4/21	4/20	Common Grackle	2/20	2/9
Hooded Warbler	4/29	4/27	Brown-headed Cowbird	3/1	2/14
Wilson's Warbler	5/7	5/5	Orchard Oriole	4/30	4/27
Canada Warbler	5/7	5/5	Northern Oriole	4/29	4/27
Yellow-breasted Chat	5/2	4/28			

on Loch Raven on April 3 and 5 (Simon), 2 adults on Broadford Reservoir at Mountain Lake Park on May 6 (Ringler), 12 at Denton on May 8 (Nuttall), 1 flying over Lake Elkhorn in Columbia on May 20 (Boone, Chestem), and 4 flying over Rockville on May 29 (M. O'Brien). A Magnificent Frigatebird was soaring by Assateague on April 30 (Mark Hoffman, Pat Cornman).

Heron, Ibis. Late American Bitterns were 2 at Pond Marsh near Madonna on May 5 (Kirkwood), 1 at Beltsville on May 9 (Sumner), and 2 at the north end of Liberty Reservoir in Carroll County on May 17 (Blom, Ringler). The first Least Bittern was reported at Blackwater on April 17 (Armistead) and inland birds were 2 at Hughes Hollow on May 26 (Bonham) and 2 at Lilypons on May 27 (D. Wallace). Schutsky found Great Blue Herons nest-building at Octoraro Creek in Cecil County in late April. This species is a very rare and solitary breeder in the Piedmont compared to the large colonies spread across the Coastal Plain. The first Great Egret of the season was found at Jug Bay on March 25 (Hammers); others were 1 at Lilypons on April 5 (Blom), 1 at Rock Hall on the same day (Gruber), 1 at Solitude in Talbot County on April 9 (Effinger), 7 on Canoe Neck Creek in St. Marys County on April 20 and May 14 (Wilson), 1 at Pinto Marsh on April 28 (Simons), and 1 at Lilypons again on May 13 (D. Wallace). A Snowy Egret was also at Solitude on April 9 (Effinger), and others were 2 at Steel Island near Conowingo on April 17 (Schutsky), 1 at Hollis Lake in St. Marys County on April 21 (Ringler, Webb), and 1 at Masonville on April 29 (Ringler). An adult Little Blue Heron was at Sandy Point on April 17 (Hammer) and singles in Talbot County on May 5 were at Wades Point and Lowes Point (Effinger). Early Cattle Egrets were 1 at Claiborne on March 21 (Effinger) and 1 at the National Colonial Farm on April 1 (Nistico); others were 1 at Anacostia on April 15 (B. Swift), 1 at Ridgely on April 17 (Rittenhouse), 1 in Cecil County on April 21 (Holmes), 2 near Hurlock on April 24 (Wilkinson), 15 in DC on

May 6 (Czaplak), and 7 at Beltsville on May 9 and 1 there on the 14th (Sumner). An early Green-backed Heron was at Patuxent River Park on April 1 (Gregoire). Inland Black-crowned Night-Herons were 1 in Howard County on March 29 (Boone), 1 at Lilypons on April 23 (D. Wallace), and single second-year birds at North Branch on May 6 (Ringler, Simons), Blairs Valley on May 19 (Ringler +), and in Carroll County at the north end of Liberty Reservoir on May 24 (Webb, Ringler). The first Howard County record of Yellow-crowned Night-Heron was an adult photographed in Columbia Hills on April 4-9 (Mrs. Edward J. Dietrich +). Other inland birds were an adult at Harford Glen on April 21 (Bryan Blazie, Matt Kineke) and 1 at Pennyfield in a known nesting area on April 25 (Wilson). An early Glossy Ibis was at Blackwater on March 18 (Armistead) and others of note were 4 at Fort Smallwood on April 6 (Klockner), 4 at Hains Point on April 16-17 (Czaplak +), 6 at Merkle WMA on April 20 (Ringler, Webb), and 8 at Bozman on May 5 (Kleen).

Swans, Geese. A large concentration of Tundra Swans was at Porter's Creek in Talbot County with 1200 there on March 2 and 400 on the 16th (Effinger). Smaller flocks were 102 at Piney Run on March 3 (Ringler), 200 over Sunderland (Kraus) and 650 at Hooper Island (Armistead) both on March 18, and 78 on Back River on March 26 (Ringler). Flocks were migrating over Germantown on March 16 and April 3 (Warfield) and the latest individual was flying over Harford Glen on April 18 (Blom). A Mute Swan was at Pinto, April 1-8 (Simons +). The Greater White-fronted Goose remained at the Winfield Mitchell farm near Creswell through April 15. At Piney Run 7 Snow Geese remained through March 18 (M. O'Brien) and on the same date 1 was at Roxbury Mills in Howard County (Ringler) and about 2500 including 70 blues were near Sudlersville (Armistead). Armistead also found 175 Snow Geese (with 15 blues) at Blackwater on April 1 while other lingering birds were an immature at Easton on April 8 (Ringler), 1 at Wittman on April 13 (Effinger), and 1 near Snow Hill on May 12 (Crowell, Thorsell). The last large flock of Snow Geese was 4000 at Ridgely on April 6; 2000 were there on the 16th (Hewitt). Bill Mehlman saw 10 Brant on Assateague on May 12. Pairs of Canada Geese with 6 downy young at Loch Raven on May 4 (Simon) and 4 downy young at Liberty Reservoir in Carroll County on May 9 (Ringler) indicate that these birds have taken to nesting very early in the spring.

Puddle Ducks. Concentrations of Green-winged Teal were 135 in southern Dorchester County on March 18 (Armistead), 65 at Blackwater on April 3 (Wilson), and 30 at Trappe on April 15 (TCBC); 100 were at Hughes Hollow with 40 Blue-winged Teal on April 5 (Blom). A good inland count of Northern Pintail was 27 at Piney Run on March 3 (Ringler), and 150 at Church Hill on March 14 (Gruber) was more expected. Late migrant pintails were 2 at Ridgely on April 24 (Hewitt) and 1 at Hurlock on May 13 (Ringler). An early Blue-winged Teal was in Howard County on Feb. 26 (Jon K. Boone) and late migrants were 2 drakes on Jenkins' Pond near Berlin on May 13 (Ringler), 2 in DC on the 14th (Czaplak), a pair at Piney Run on the 19th (Ringler), 4 at Patuxent River Park in Prince Georges County on the 20th (Gregoire), and 1 at Pinto on June 4 (Simons). April 8 was a good day to see Northern Shovelers as there were 250 at Deal Island WMA (Dyke) and 100 at Hurlock (Ringler). Also at Deal Island that day were 1500 Gadwall and 1000 American Wigeon. A drake Eurasian Wigeon was at Blackwater on April 1 (Armistead +). Other American Wigeon were 100 in Howard County on March 15 (M. Wallace) and 2 late birds in DC on May 6 (Czaplak).

Aythya Ducks. Canvasbacks were reported in good numbers with 600 in the Chesapeake Beach—North Beach area during March (Kraus), 350 in Porter's Creek on March 2 (Effinger), 600 in Langford Bay on March 9 and 500 in Muddy Creek on March 20 (Gruber), 1000 near Bellevue on March 17 and 500 at Hooper Island on the 18th (Armistead), 785 in St. Marys County on March 19 (Wilson), and 2 drakes lingering at Masonville on May 20 (Ringler). The high count of Redheads was 16 at Piney Run on March 10 (Ringler), a late migrant was at Loch Raven on April 12 (Simon), and an even later one was at Piscataway Creek on May 20 (Nistico). High counts of Ring-necked Ducks were 171 at Gaithersburg on March 11 (M. O'Brien), 200 at Piney Run on March 17 (Blom), 64 in Howard County on March 31 (M. Wallace), 230 at Liberty Lake on March 31, 185 at Loch Raven on April 1 and 65 at Westminster on April 7 (Ringler), and 500 at Deal Island WMA on April 8 (Dyke); late birds were 2 on the Mountain Lake sewage lagoons on May 10 (Skipper) and 1 near Snow Hill on May 12 (Crowell, Thorsell). Rare for inland Carroll County were a pair of Greater Scaup at Piney Run on March 17 (Blom) and a drake on Westminster Reservoir on the 18th (Ringler); the high count for the season was at Muddy Creek with 200 on the 20th (Gruber). Estimates of Lesser Scaup flocks were 6000 at Worton Point on March 2 and 18,000 in Prospect Bay on March 9 (Gruber), 700 at Horn Point on March 7 (Meritt), 1000 in Porter's Creek on March 16 (Effinger), 750 at Hooper Island on March 18 (Armistead), and 500 in South River on April 15 (Hammer). In DC 55 were seen on April 3 (Czaplak) and 2 remained at Masonville on May 20 (Ringler).

Other Diving Ducks. Oldsquaws began staging early, with 6000 off Kent Island on March 15 (Gruber), 400 near Bellevue on March 17, and 300 seen from the Oxford Bellevue Ferry on the 18th (Armistead), 295 in St. Marys County on the 19th (Wilson), and 5000 at Wades Point on the 20th (Effinger). O'Brien heard migrant flocks of Oldsquaws at night over Rockville on March 24 and 27. Inland sightings were 3 at Boonsboro on March 25 (Ringler), 42 in DC on April 3 (Czaplak), 14 at Loch Raven on the latter date, 1 of which remained to April 17 (Simon). Lingering birds were a female in Chapel Creek off the Choptank River on May 5 (Wilson) and a drake at Hooper Island on May 12 (Armistead). The only Black Scoters reported were lingerers, 1 at Assateague on May 18 (Resch) and a drake at Barren Island on May 27 (Armistead). The high count of White-winged Scoters was a mere 32 in St. Marys County on March 19 (Wilson); birds were found inland at Rocky Gap on March 28 (Twigg), 12 at DC on April 23 (Czaplak), and 3 on Loch Raven on the 24th (Simon); the last were 8 at Claiborne on May 3 (Effinger). Counts of Common Goldeneyes were 250 in Porter's Creek on March 2 and 16, down to 50 on the 23rd (Effinger), 200 seen from Ramona's Beach in Baltimore County on March 4 (Blom +), 236 in St. Marys County on March 19 (Wilson), and 40 in DC on April 3 (Czaplak); a non-breeding drake remained at Lilypons through June 4 (D. Wallace). Wilson counted 179 Buffleheads in St. Marys County on March 19 and about 400 were near Bellevue on April 20 (Armistead); late birds were seen at Tanyard on May 10 (Engle), 1 at Pinto on May 11 (Simons), and 2 in Piscataway Creek on May 13 (Nistico). The high for Hooded Mergansers was 50 at Piney Run on March 10 (Ringler) and 4 females remained on Loch Raven on May 10 (Simon). There were 30 Common Mergansers at Blackwater on March 18 and 13 on April 1 (Armistead); the latest individual was at Piscataway Creek on April 22 (Nistico). Effinger estimated 200 Red-breasted Mergansers on Porter's Creek on March 2 and Gruber found 150 at Rock Hall on April 4 and 5. Inland there were 21 on Deep Creek Lake on April 1 (Skipper) and 2 very late birds on the Potomac River in Prince Georges County on June 3 (Nistico). Another at Assateague on May 18

Table 2. Spring Departure Dates, 1984

Species	10-Yr. Median	1984 Median	Species	10-Yr. Median	1984 Median
Common Loon	5/11	5/19	Red breasted Nuthatch	5/3	5/12
Horned Grebe	5/3	5/5	Brown Creeper	4/26	5/4
Red-necked Grebe	—	3/21	Winter Wren	4/27	4/26
Double-crested Cormorant	5/21	5/27	Golden-crowned Kinglet	4/12	4/14
American Bittern	5/3	5/5	Ruby-crowned Kinglet	5/7	5/9
Tundra Swan	4/15	3/31	Veery	5/21	5/20
Snow Goose	4/4	4/2	Gray-cheeked Thrush	5/23	5/20
Green-winged Teal	4/28	4/30	Swainson's Thrush	5/25	6/1
Northern Pintail	4/2	4/7	Hermit Thrush	5/4	5/12
Blue-winged Teal	5/3	5/13	Water Pipit	5/3	5/5
Northern Shoveler	4/11	4/21	Cedar Waxwing	5/27	5/30
Gadwall	5/1	4/15	Solitary Vireo	5/5	5/6
American Wigeon	4/16	4/21	Blue-winged Warbler	5/11	5/15
Canvasback	4/9	4/8	Tennessee Warbler	5/22	5/21
Redhead	3/27	4/7	Nashville Warbler	5/14	5/20
Ring-necked Duck	4/15	5/4	Chestnut-sided Warbler	5/18	5/21
Lesser Scaup	4/26	5/5	Magnolia Warbler	5/22	5/25
Oldsquaw	4/11	4/8	Cape May Warbler	5/16	5/20
White-winged Scoter	4/23	5/3	Black-throated Blue Warbler	5/16	5/20
Common Goldeneye	4/14	4/2	Yellow-rumped Warbler	5/15	5/20
Bufflehead	4/30	5/6	Black-throated Green Warbler	5/15	5/20
Hooded Merganser	4/18	4/14	Blackburnian Warbler	5/18	5/22
Common Merganser	4/9	4/3	Palm Warbler	5/3	5/5
Red-breasted Merganser	5/4	5/6	Bay-breasted Warbler	5/24	5/22
Ruddy Duck	5/4	5/6	Blackpoll Warbler	5/29	6/1
Northern Harrier	5/5	5/12	American Redstart	5/30	5/28
Rough-legged Hawk	4/4	3/24	Northern Waterthrush	5/23	5/24
American Coot	5/3	5/13	Wilson's Warbler	5/21	5/20
Semipalmated Plover	5/26	5/28	Canada Warbler	5/26	5/27
Greater Yellowlegs	5/11	5/19	Rose-breasted Grosbeak	5/19	5/20
Lesser Yellowlegs	5/9	5/17	American Tree Sparrow	3/20	3/24
Solitary Sandpiper	5/14	5/20	Savannah Sparrow	5/8	5/13
Spotted Sandpiper	5/25	5/27	Fox Sparrow	4/4	4/12
Semipalmated Sandpiper	5/29	6/6	Swamp Sparrow	5/7	5/13
Least Sandpiper	5/17	5/22	White-throated Sparrow	5/13	5/20
Dunlin	5/26	5/27	White-crowned Sparrow	5/8	5/19
Common Snipe	5/3	5/5	Dark-eyed Junco	5/3	5/5
Bonaparte's Gull	5/3	5/6	Bobolink	5/16	5/27
Black Tern	5/20	5/20	Rusty Blackbird	5/3	5/5
Yellow-bellied Sapsucker	5/2	5/5	Purple Finch	5/6	5/17
Black-capped Chickadee	—	4/28	Pine Siskin	5/5	5/11
			Evening Grosbeak	5/4	5/10

(Resch) was at the location where non-breeders of this species usually spend the summer. Wilson counted 838 Ruddy Ducks on the Patuxent River off Horse Landing on March 19 and there were 165 on Broadford Reservoir on April 18 (Skipper); 3 late birds were at Pinto on May 10 (Simons) and 1 on Piscataway Creek on May 20 (Nistico).

Diurnal Raptors. Migrant Black Vultures were seen at Point Lookout on April 20 when 9 rose on a thermal and headed north (Wilson); 2 flew low over Hart Island

on April 22 before turning back for the nearest mainland point (Ringler +). The first Turkey Vultures of the season for Allegany County were 3 at Green Ridge on Feb. 18 (Simons). Some of the 130 Turkey Vultures seen in southern Dorchester County on April 1 (Armistead +) were probably migrants. The earliest Ospreys reported were in Talbot County on Feb. 26 (Reese) and at Smith Island on March 3 (Robin Tyler). Schutsky counted 98 cruising over Conowingo on April 25 and there were 3 at Liberty Lake on April 28 (Ringler). The high counts of Bald Eagles were 11 (2 adults and 9 immatures) at Conowingo in March (Schutsky) and 17 in southern Dorchester County on April 1 (Armistead +); in St. Marys County adults were seen near Lexington Park on March 19 and on Newton Neck on April 20 (Wilson), and another adult was seen in Montgomery County at Summit Hall Turf Farm on April 7 (O'Brien). May sightings of Northern Harriers included probable late migrants in southern Frederick County on May 8 (D. Wallace), Greensboro on May 11 (Fletchers), and Hart Island on May 20 (Ringler +), but 1 near Berlin and 2 at Ellis Bay WMA on May 13 (Ringler) were likely local breeders. On April 21 Mary Twigg watched a migrating Sharp-shinned Hawk flying past Dan's Rock dive once on a Canada Goose. Another Sharp-shin at St. Michaels on May 21 (Effinger) was probably an extremely late migrant. Single Cooper's Hawks seen near Blackwater on May 12 (Armistead +) and near Hebron on May 27 (Ringler) may have been rare local breeders on the Lower Eastern Shore. Rough-legged Hawks were reported as follows: a light-phase bird at Clarksville on March 9 (Blom), 1 at Fishing Creek Marsh in Calvert County on March 24 (Kraus), 3 at Elliott on April 1 (Armistead +), and 2 at Denton on April 8 (Fletchers). Merlin reports were 1 at Tanyard, March 14-22 (Engle), 1 at Fishing Creek Marsh on April 1 (Kraus), 1 at Point Lookout on April 21 (Ringler, Webb), 1 at Rockville on April 23 (O'Brien), 1 in southern Frederick County on May 5 (B. Swift +), and 1 at Assateague on May 12 (Wierenga, Mignogno). The Peregrine Falcons at the USF&G Building in Baltimore fledged 4 young this spring.

Gallinaceous Birds, Rails, Crane. A Ring-necked Pheasant was at Bestpitch in Dorchester County on April 1 (Armistead +). Paul Fritz saw about 10 Wild Turkeys south of Boyds in Montgomery County on March 18. John C. Miller heard 12 Black Rails at Elliott on April 27. King Rails were found near Port Deposit on May 3 (Schutsky) and at Kings Creek in Talbot County on May 11 (Klockner). A Virginia Rail found caught in a fence in western Howard County on April 27 later died (Jackson Cole). A Virginia Rail and Sora were first seen at Pinto Marsh on May 6 (Ringler). A Virginia Rail was heard in Locks Swamp Creek in St. Marys County on May 14 (Wilson). Another Sora was heard at Liberty Lake in Carroll County, May 9-17 (Ringler +), and 2 at Deal Island WMA on May 17 (Resch). Common Moorhens were widely reported beginning with single birds at Blackwater on April 21 (Armistead), at North Branch in Allegany County on April 26 (Twigg) and May 18 (Simons), near Madonna April 27 through May 8 (Kirkwood), and at Masonville on April 29 (Ringler). In May others appeared at Bozman on May 8 (Reese), Hughes Hollow, May 11-21 (O'Brien), Summit Hall Turf Farm on the 13th (Bonham), at Liberty Lake in Carroll County on May 17 (Blom, Ringler), and at Big Pool on the 19th (Bob Lizer +). An American Coot showing characteristics of the "Caribbean" type was photographed at Hughes Hollow on May 10-11 (Paul Pisano +). Other late coots were 2 at Pinto Marsh on May 11 (Simons), 1 at Lilypons on May 13 (D. Wallace) and Back River on May 20 (Ringler). The Sandhill Crane found by Teresa Simons at Pinto Marsh on April 26 was also seen by Mary Twigg and photographed by Dick Johnson as it took off.

Plovers, Oystercatchers, Stilts. A Black-bellied Plover was at Blackwater on April 21 (Armistead) and inland single birds were at the Mountain Lake sewage lagoons on May 6 (Ringler) and Mountville Road in southern Frederick County on May 7 (D. Wallace). In DC there were 8 on May 12 (Czaplak) and on Assateague 100 on May 18 (Resch). Resch also found 2 Wilson's Plovers on Assateague that day. There were 8 Semipalmated Plovers in a flooded field at Hebron on May 13, 100 at Ocean City on May 12, and late migrants of 1 at Pinto on June 1 and 3 at Piney Dam Reservoir in Garrett County on June 3 (Ringler). Dave Mehlman found 2 nests with eggs of Piping Plovers on Assateague on May 12, the earliest ever in the state. The 4 American Oystercatchers at Ocean City on March 15 increased to 25 on March 19 (Slaughter). Sumner found 3 Black-necked Stilts at Deal Island WMA on May 14 though there is still no evidence of breeding.

Yellowlegs to Sanderling. High counts of Greater Yellowlegs were 30 at Blackwater on March 18 and 80 there on April 21 (Armistead), and 32 at Bethlehem in Caroline County on April 22 (Engle); a late migrant was at North Branch on June 6-8 (Simons). Early Lesser Yellowlegs numbered 3 at Denton on March 7 (Hewitt) and 10 at Upper Marlboro on the 20th (Blom). An early Solitary Sandpiper was at Lilypons on April 5 (Blom). Willets away from the coast were 6 at Mountville Road in a flooded field on May 7 (D. Wallace), 5 at Sandy Point on May 8 (Klockner), and 1 at Piney Run on May 15 (Blom). Birds found inland are probably of the western subspecies. There were 3 Upland Sandpipers on St. Jerome's Neck on April 21 (Ringler, Webb), 1 on Gannon Road in Talbot County on April 29 (TCBC), 1 at Ridgely on May 5 (Hewitt), and 1 at Hains Point on May 9-10 (Czaplak). On Assateague 5 Whimbrels were seen on May 12 (Mehlman) and 2 on the 18th (Resch); 28 were at Barren Island on May 27 (Armistead). A Ruddy Turnstone was at Eastern Neck on May 5 (Parks) and 9 at Claiborne on the 12th (Effinger); high counts were 600 at Assateague on May 18 (Resch) and 89 in the Barren Island area on the 27th (Armistead). Armistead found a Red Knot at Hooper Island on May 12, and 14 at Barren Island on the 27th; Resch estimated 150 at Assateague on May 18. There were 4 Sanderlings at Cove Point on April 21 (Ringler, Webb) and 3 at Claiborne on May 12 (Effinger), but the high was 300 at Assateague on the latter date (Mehlman).

Peeps to Phalaropes. At North Branch in Allegany County a Semipalmated Sandpiper was early on April 29 (Simons); the high count there was 35 on May 31 (Ringler +), and 16 remained on June 8 (Simons). Denton had a good count of Semis on May 5 with 27 (Fletchers), and other late migrants were 6 at Piney Dam Reservoir on June 3 (Ringler +) and 3 in DC on the 6th (Czaplak). High counts of Least Sandpipers were 90 at Greensboro on May 5 (Hewitt), 22 in DC on May 8 (Czaplak), 325 in southern Dorchester County on May 12 (Armistead +), and 40 on May 6 at North Branch where 2 birds on May 31 were quite late (Ringler +). White-rumped Sandpipers were reported in Kent County, May 5-10 (Parks), and in Calvert County, May 6-28 (Kraus). Others were 2 at Lilypons on May 5 (B. Swift +), 1 there on the 13th (D. Wallace), 1 at Pinto on May 6 (Ringler), 1 at Beltsville on May 9 (Sumner), 4 at North Branch on May 10 (Simons), 3 at Blackwater on May 12 (Armistead +), and 1 near Snow Hill on the latter date (Crowell, Thorsell). The high count of Pectoral Sandpipers was only 12 at Ridgely on April 23 (Hewitt); late migrants were 4 at Wittman (TCBC) and 6 at Rockville (O'Brien) both on May 5, 3 in DC (Czaplak) and 5 at the Mountain Lake sewage lagoons (Ringler) both on May 6, and 2 on Mountville Road on May 7 (D. Wallace). The last Purple Sandpipers

noted at Ocean City were 50 on May 18 (Resch). Early migrant **Dunlins** were 1 in St. Marys County on March 19 (Wilson) and 30 at Chesapeake Beach on April 8 (Blom). Others were 3 at North Branch, May 2-6 (Twigg +), 5 at Claiborne on May 10 (Effinger), 1 at Mountain Lake sewage lagoons, May 6-10 (Ringler +), 6 in a flooded field along the Accident-Bittering Road on May 13 (Skipper), 150 at Deal Island WMA on May 17 and 500 at Assateague on the 18th (Resch), 260 at Blackwater on May 19 and 140 at Barren Island on the 27th (Armistead), and 1 in DC on May 28 (Czaplak). Single **Stilt Sandpipers** were seen at Blackwater, May 12-14 (Armistead +), and at Hebron on May 13 (Ringler). The only significant number of **Short-billed Dowitchers** reported was 70 at Assateague on May 18 (Resch). A calling **Long-billed Dowitcher** at Lilypons on May 7 (D. Wallace) was extremely rare for spring. Modest high counts of **Common Snipe** were 18 on St. Jerome's Neck on March 19 (Wilson), 20 at Lilypons on April 1 (D. Wallace), 20 near Madonna on April 7 (Kirkwood), 51 at Denton on April 10 (Hewitt), and 16 at Church Hill on April 12 (Gruber); single late migrants were at Lilypons on May 9 (D. Wallace) and Piney Run on May 10 (Ringler). Parks found 2 **Wilson's Phalaropes** at Remington Farms, May 5-8, and 1 was at North Branch, May 6-7, and 2 there, May 9-10 (Simons +).

Gulls. Early **Laughing Gulls** were singles at Ocean City on March 16 (Slaughter) and Back River on March 26 (Ringler). An adult **Common Black-headed Gull** in breeding plumage was photographed at Back River, April 1-3 (Ringler +). At Back River, the major staging area for **Bonaparte's Gulls** in the spring, the number of birds was estimated at 550 on March 26 rising to 600 on April 1 (Ringler) and to 750 on April 8 (Blom). During this period it was estimated that at least 95% of the birds were adults. On April 22 when the count was 200 it was estimated that only 40% of the birds were adults (Ringler). Other **Bonaparte's Gulls** were 30 at Hooper Island on March 18 (Armistead), 28 at Deep Creek Lake on April 11 (Skipper), and 3 at Loch Raven on April 17 (Simon). Late migrants were 11 at Pinto on May 6 (Ringler), 1 at the Tonger's Basin in Talbot County on May 10 (Effinger), 1 in DC at the Naval Research Lab on May 15 (Czaplak), and 1 at Piney Run on May 18 (Ringler). All of these late birds were noted as immatures except the Talbot bird which was unspecified. Mary Twigg counted 53 **Ring-billed Gulls** on the Potomac River at Cumberland on March 5 with a rare, for western Maryland, **Herring Gull**. There were 275 **Ring-bills** at Piney Run on March 3 and 225 there on May 10, with all of the latter birds being immatures (Ringler). Czaplak estimated 680 **Ring-bills** in DC on May 10 and an adult at Barren Island on May 27 (Armistead) was unusual, as were 2 late migrants at Pinto on June 3 (Simons +). An immature **Iceland Gull** was at Conowingo on March 7 (Schutsky). Two adult **Lesser Black-backed Gulls** were at Fort McHenry on March 3 and 11, and 1 was there on the 17th (Ringler). Probably the same 2 birds were seen at Masonville about a mile away across the harbor on the 11th by Ric and Tim Conn. An adult **Lesser Black-back** was on Back River March 4 and 17 (Ringler), the annual bird near Berlin was last seen on March 20 (Slaughter), and an adult was at Fort Smallwood on May 1 (Wierenga). An immature **Glaucous Gull** was at Back River on March 4 (Blom, Ringler) and another at Ocean City, May 5-12 (Wierenga +).

Terns, Skimmer. On May 12 two **Gull-billed Terns** were seen at Assateague (Mehlman). Orgain found the first **Caspian Terns** for Howard County when he photographed birds at Lake Elkhorn in Columbia on April 18 through the 26th

with the high count being 16 at nearby Lake Kittamaquundi (Chestem). Others were 9 at Conowingo on April 17 (Schutsky), 2 at Potomac Shores and 1 at Brentland in Charles County on April 20 (Ringler, Webb), 75 at Sandy Point on April 21 (Klockner), 1 at Loch Raven on April 24 (Simon), and 1 at Poplar Cove in Talbot County on May 26 (Armistead). The spring high for Royal Terns was 44 in St. Marys County on April 20 (Wilson) and 2 were at Elliott on May 12 (Armistead +). Unusual inland were 5 Common Terns at Conowingo on May 10 (Schutsky). Also unusual for the spring were a Forster's Tern at Lilypons on April 23 with 2 there on May 7 (D. Wallace), 4 at Seneca on April 26 (Warfield), 1 at Eastern Neck on April 28 (Hammer), and 4 in DC on May 6 (Czaplak). The first Black Terns appeared on May 7 with 2 at North Branch (Simons, Twigg) and 1 at Lilypons (D. Wallace). Later birds were 3 at Conowingo on May 10 (Schutsky), 3 at Seneca on May 13 (Susan Strange), 4 at Hooper Island on May 12 with 1 there on the 27th (Armistead +) and 1 at Assateague on May 18 (Resch). Shirley Geddes saw 9 Black Skimmers flying up the bay past Bayside Beach in northern Anne Arundel County on May 28.

Dove, Cuckoo, Owls. A Ringed Turtle-Dove was seen in University Park on April 24-25 (Doug Gill). A Black-billed Cuckoo was on Roosevelt Island on May 20 (Paul Kallina). Czaplak found a Common Barn-Owl in DC on April 19 and others were heard over Rockville on April 29 and May 16 (O'Brien). Czaplak photographed a Northern Saw-whet Owl in DC on the late date of April 11; 1 at Hughes Hollow on May 10 (Wierenga +) was long overdue for leaving.

Goatsuckers. Woodpeckers. Czaplak noted the earliest Common Nighthawks of the season in DC on April 27. The first Whip-poor-will was heard at Tuckahoe State Park on April 16 (Rittenhouse). Unusual in Talbot County were single Red-headed Woodpeckers at Wye Mills on April 26 (Allen) and at Claiborne on May 15 (Reese). An adult in northern Ocean City on May 26 (Ringler) may have been nesting. Very late Yellow-bellied Sapsuckers were 1 at tum Suden Sanctuary on May 16 that was described as being less than full adult plumage (Blom) and 1 in Rock Creek Park on May 19 (Czaplak).

Flycatchers. Olive-sided Flycatchers were reported at Lake Elkhorn on May 14 (Boones), Pennyfield on May 19 (John O'Neill), and Rock Creek on May 19-20 (Bob Augustine). An Eastern Wood-Pewee singing on Barren Island on May 27 (Armistead) was probably a late migrant. Yellow-bellied Flycatchers were reported from Harford Glen on May 17 (Blom), Beltsville on May 19 (Sumner), DC on May 19 (Czaplak), and Rock Creek on May 20 (Augustine); 11 birds were banded in Montgomery County with 7 at Adventure, May 14-26, and 4 at Sandy Spring, May 18 to June 2. Migrant Alder Flycatchers were found at Harford Glen with 2 on May 20-22 (Blom, Jon Dunn), 1 at Laurel, May 21-22, (Wierenga), and 1 at Beltsville on May 23 (Sumner). Weske banded a total of 38 Alder/Willow Flycatchers at Sandy Spring from May 13 through June 3. Early Least Flycatchers were 2 at Hoyes Run in Garrett County on April 28 (Skipper), 2 banded at Adventure on April 29, and 1 at Beltsville on May 1 (Sumner); 1 at Bozman on May 10 (Kleen) was rare on the Eastern Shore. Six were banded at Sandy Spring, May 10-21. An early migrant Eastern Phoebe was at Dan's Rock on Feb. 29 (Twigg). The first Eastern Kingbirds were reported at Chapel Point in Charles County on April 20 (Ringler, Webb) and Pennyfield on April 22 (Marie Plante). A well-described Scissor-tailed Flycatcher was seen at Blackwater on May 16 (Brian Rollfinke +). There are no specimens or photographs of this species for the state.

Swallows, Corvids. Early migrants for western Maryland were a Tree Swallow at Rocky Gap on March 24 (Simons) and 2 Purple Martins with 8 Tree Swallows at Big Pool on the 25th (Ringler). Other early Tree Swallows were 1 at Ridgely on March 2 (Hewitt), 3 at Hughes Hollow on March 17 (Wilson), others in Prince Georges County the same day (Nistico), and 5 at Bush River on March 23 (Wilkinson). Early Northern Rough-winged Swallows were 4 at Lilypons on March 18 (Daniels +) and 2 at Lakeside Park near Hagerstown on March 25 (Ringler). Early Bank Swallows were 2 at Betterton on April 4 (Gruber) and others at Harford Glen on April 8 (Blom). There were about 100 Bank Swallows at Tanyard on May 17 (Engle) and late migrants were 4 at Barren Island on May 27 (Armistead) and 4 in DC on June 1 (Czaplak). Early Cliff Swallows were at North Branch south of Cumberland on April 14 (Twigg), in Charles County on April 17 (Runkles), and in DC on April 18 (Czaplak). The only flight of Blue Jays reported was 800 over Black Marsh on May 20 (Ringler +), a rather late date for so many to be migrating. Mike Welch and John Roman saw 2 Northern Ravens at Lander in Frederick County on May 5.

Chickadees, Nuthatches, Creepers, Wrens. Black-capped Chickadees had generally left by early March but lingerers remained for some time. There were 3 at Piney Run on March 26 (Ringler), 1 at Lilypons on April 1 (D. Wallace), 1 banded the same day at tum Suden Sanctuary (Blom), 1 at Beckleystown on April 24 (Kolb), 1 in Rockville on May 6 (O'Brien), and 1 banded at Sandy Spring on May 18. Red-breasted Nuthatches were also among the stragglers this spring with the latest being 1 at Wye Mills on May 13 (Effinger), 1 at Pilot in Cecil County on May 20 (Klockner), 1 the same day at Black Marsh (C. Swift, Ringler), and 1 at Connie Skipper's feeder on Bray Hill, May 14-22. A Brown Creeper at Denton on May 5 (Knotts) may have been a very late migrant but 1 in Pocomoke Swamp on May 12 (Crowell, Thorsell) was more likely to be a breeder. An early House Wren was in Allegany County on April 10 (Simons) and 2 Winter Wrens on May 24 on Allegheny Heights in Garrett County may have been nesting. Migrant Sedge Wrens were at Lake Frank in Montgomery County on May 5 (Augustine) and at Pinto, May 18-23 (Simons +). A Marsh Wren at Lilypons on March 18 (Wilson) was unusual for time as well as place.

Kinglets, Thrushes, Mimids. Late Golden-crowned Kinglets were at Patuxent River Park on April 20 (Gregoire), Frederick on April 23 (D. Wallace), and Lake Roland on May 1 (C. Swift). Among the last Ruby-crowned Kinglets were 2 at Bozman on May 9 (Reese), 1 in St. Marys County on May 19 (Nistico), and 1 banded at Adventure on May 20. A Gray-cheeked Thrush at Blackwater on May 20 was rare for the Eastern Shore, and late migrants were 1 at Rockville on June 1 (O'Brien) and 1 in Rock Creek Park on June 3 (Czaplak). Margaret Donald banded 2 Swainson's Thrushes at Adventure on April 27 and another was seen in DC on the next day (Czaplak) for the early records this year; the late birds were 2 banded at Sandy Spring on June 2, 1 in Rockville on June 5 (O'Brien), and 1 in DC on June 10 (Czaplak). A late Hermit Thrush was in Cumberland on May 10 (Twigg) and 1 was banded at Adventure on the 15th. The first Wood Thrush was early at Greensboro on April 19 (Hewitt) as were others at Patuxent River Park (Gregoire) and Zekiah Swamp (Ringler, Webb) both on the 21st. The only large number of American Robins reported was 1000 along Steerhorn Neck Road in St. Marys County on March 19 (Wilson). A Gray Catbird was early in West Baltimore on April 9 (Wilkinson) and a Brown Thrasher in Prince Georges County on March 10 (Nistico) may have wintered there.

Pipits, Waxwings, Shrikes, Vireos. The only flocks of Water Pipits reported were 20 in southern Frederick County from March 31 on (D. Wallace) and 60 along Kingston Road in Talbot County on April 29 (TCBC). Armistead counted a late flight of 22 Cedar Waxwings near Bellevue on May 26. The only reports of Loggerhead Shrikes came from Lilypons where Wilson saw 2 on March 18 and Dave Wallace saw 3 on April 1. An early White-eyed Vireo was at Tanyard on April 2 (Engle). Solitary Vireos were very late this year with single birds at Bozman on May 8 (Reese), in DC (Czaplak) and at Shad Landing (Resch) both on May 19, and in Calvert County (Kraus) and at Black Marsh (C. Swift) both on May 20. At least 3 Yellow-throated Vireos were singing at Patuxent River Park and Croom Station on April 20 (Webb +).

Early Warblers. Notable early arrivals this year were a Tennessee Warbler in Calvert County on April 27 (Kraus) and 1 at Patuxent River Park on the 29th (Gregoire), Nashville Warblers in DC on April 22 (Czaplak) and in Calvert County on April 27 (Kraus), a Northern Parula in Calvert County on April 13 (Kraus), a Chestnut-sided Warbler in Carroll County at Marriottsville on April 28 (Ringler, Webb), a Magnolia Warbler at Mt. Nebo on April 26 (Thayer) and 1 at North Branch on the 27th (Twigg), a Cape May Warbler at St. Paul's Church in Kent County on April 28 (Hammers), a Black-throated Blue Warbler at Claiborne on April 27 (Effinger), a Black-throated Green Warbler at Bray Hill in Garrett County on April 26 (Skipper), Blackburnian Warblers in Calvert County on April 27 (Kraus), and on the 28th at Patuxent River Park (Gregoire) and at Schell-Laurel in Garrett County (Thayer), Pine Warblers at Laurel Grove on March 6 (Runkles) and 3 at Denton on the 8th (Nuttie), a male Blackpoll Warbler at Marriottsville on April 28 (Ringler, Webb), a Black-and-white Warbler at Laurel Grove in Garrett County on April 8 (Runkles), 2 American Redstarts at Nassawango Creek in Worcester County on April 13 (Klockner), Prothonotary Warblers at Patuxent River Park on April 14 (Gregoire) and at Seneca on the 15th (Warfield), an Ovenbird at Nassawango Creek on April 13 (Klockner), 1 at Bozman on the 17th (Kleen) and 2 heard singing in St. Marys County on the 20th (Wilson), a Northern Waterthrush heard singing at Point Lookout on April 21 (Webb, Ringler), a Kentucky Warbler heard at St. Marys City Park near Chancellor Point on April 20 (Wilson), a Hooded Warbler banded at Adventure on April 20, Wilson's Warblers at Lake Roland (C. Swift) and Constitution Gardens, DC (Czaplak) on May 1, and Canada Warblers at Adventure (1 banded on April 27) and at Lake Roland on May 1 (C. Swift).

Late Warblers. Notable late departures were a Tennessee Warbler in Rockville on June 1 (O'Brien), a Chestnut-sided Warbler at Ocean City on May 27 (Ringler), a Magnolia Warbler banded at Sandy Spring on June 2 and 1 in Rock Creek Park on June 5 (Czaplak), a Black-throated Blue Warbler in Frederick County on May 26 (D. Wallace) and 1 banded at Adventure on May 27, 4 Yellow-rumped Warblers at Neavitt on May 18 (Effinger) and 1 at Beckleysville in Baltimore County on May 21 (Kolb), a Black-throated Green Warbler at Pinto on May 27 (Simons) and 1 at Deale on June 3 (Klockner), a Blackburnian Warbler at Wye Mills on May 27 (TCBC), a Palm Warbler at Lilypons on May 7 (D. Wallace), 1 "western" palm at Rockville on the 9th (O'Brien), and 1 near Madonna on the 14th (Blom), a male Bay-breasted Warbler at Ocean City on May 26 (Ringler), Blackpoll Warblers on June 3 with 1 at Deale (Klockner) and 2 banded at Sandy Spring, and on June 4 in Frederick County (D. Wallace) and at Hobbs (Nuttie), an American Redstart on Barren Island on May 27 (Armistead) and 1 banded at Sandy Spring on June 3, a Northern Waterthrush

in Rockville on June 1 (O'Brien) and 1 banded at Sandy Spring on June 2, and Canada Warblers on June 3 in Rock Creek Park (Bob Ford) and banded at Sandy Spring.

Other Warbler Notes. There were 2 Golden-winged Warblers at Myrtle Grove on May 5 (Hammers, Wilkinson) and another at Wye Mills on May 12 (Trever), a "Brewster's" hybrid at Hollowfield on May 5 (Chestem, Lund), a "Lawrence's" hybrid at Bel Pre in Montgomery County on May 5 (Jean Steinberg), 28 Tennessee Warblers in DC on May 19 (Czaplak), Orange-crowned Warblers at Sunderland on April 13 (Kraus), at Rockville on April 28 (O'Brien) and banded the same day at Adventure, 9 Cape May Warblers in Anne Arundel County on May 13 (A. Hammer), 9 "Yellow" Palm Warblers at Rockville on April 13 (O'Brien), 6 at Easton on April 15 (TCBC), 4 in St. Marys County on the 20th (Wilson), and 3 at Lilypons on the 29th (D. Wallace), 19 Bay-breasted Warblers in DC on May 19 (Czaplak), 12 at Tuckahoe State Park on the 20th (Rittenhouse +), and 6 at St. Michaels on May 24 (Effinger), a Connecticut Warbler (an accidental migrant here in spring) banded at Sandy Spring on May 21, 10 Canada Warblers in Anne Arundel County on May 28 (A. Hammer), and a host of Mourning Warblers in perhaps the best spring in the state for this species. The banders had great success netting them with 9 banded at Sandy Spring from May 13 to June 2 and 20 at Adventure from May 14 to 31. The numerous sightings of Mournings were all of single birds unless noted, beginning with 1 at Sycamore Landing on May 13 (Bonham), followed by Hughes Hollow on the 14th (Sumner), at Annapolis, May 15-18 (Mumford), in DC on May 17 (Czaplak), on May 18 at Beltsville with 2 there on the 22nd (Sumner), Pennyfield on May 19 (John O'Neill), Hazen Park on May 19 (Czaplak), along Rock Creek in Montgomery County on May 20 (Augustine) and the same day at Bryans Road (Nistico), Laurel on May 20 and 25 (Wierenga), Summit Hall Turf Farm on May 21 and Rockville on May 23 (J. O'Brien), Glen Falls in Carroll County on May 24 (Webb, Ringler), Gaithersburg on May 25 and Dan's Rock on the 27th (M. O'Brien), in DC on May 26 and 28 (Czaplak), Honey Lake on May 28 (A. Hammer), Rockville on May 28-31 (Augustine), and on June 3, 1 was seen in Rock Creek Park (Czaplak) and 2 in Allegany County at Cresaptown and Pinto (Simons +).

Tanagers, Grosbeaks. The earliest Summer Tanager of the season was at Denton on April 21 (Knotts) and single out-of-range birds were at Sandy Spring, banded on May 10, Lake Elkhorn on May 13 (Boones), in DC, May 17-19 (Czaplak), Hughes Hollow on May 21 and Dan's Rock on the 27th (M. O'Brien), and an immature male on Town Hill on May 31 (Ringler). Rose-breasted Grosbeaks were prominent this spring with 16 in Howard County on May 6 (Pardoes), 7 males eating on the grass at Denton on May 8 (R. Fletcher), and 15 at Claiborne on May 9 (Effinger); the last report was at Bryans Road on June 6 (Nistico). Early Blue Grosbeaks were at Tanyard on April 25 (Engle) and on the 27th at North Branch (Simons) and in Kent County (Parks).

Buntings, Dickcissels, Towhee. Early Indigo Buntings were in Denton on April 17 (Nuttall), in St. Marys County on the 20th (Willoughby) and upland at Liberty Lake in Carroll County on April 28 (Ringler, Webb). An adult male Dickcissel was at Beltsville on May 1 (Sumner) and on May 21 in Montgomery County at Rock Creek (Augustine) and at Hughes Hollow (J. O'Brien). An early Rufous-sided Towhee appeared in Garrett County at Paradise Point on March 18 (Skipper).

Sparrows. Late American Tree Sparrows were at Downsville in Washington County on March 29 (Mallonee) and in Garrett County through April 18 (Thayer). Early Chipping Sparrows were in Calvert County on March 23 (Kraus) and Laurel Grove, St. Marys County on the 24th (Runkles). Single Clay-colored Sparrows, rare at any season, were found in Constitution Gardens, May 1-5 (Czaplak +), and Wheaton May 9-17 (Augustine +). In Dorchester County 2 Vesper Sparrows were unusual near Cabin Creek on April 8 (Ringler +). Early Savannah Sparrows were in Calvert County on March 18 (Kraus) and in Allegany County on March 24 with 12 at Pinto and 6 at North Branch (Ringler +), whereas late birds were near Berlin on May 13 (Ringler), in St. Marys County on May 19 (Nistico) and 3 in DC on the latter date (Czaplak). A Grasshopper Sparrow was heard singing near Brentland in Charles County on April 20 (Ringler, Webb). John C. Miller found 9 Henslow's Sparrows along Elliott Island Road on April 27 and others were near Pinto Marsh from May 18 through June 10 (Simons +). A migrant Seaside Sparrow was at Fort Smallwood on April 17 (Klockner). The high count of Fox Sparrows was 15 at Rockville on March 17 (M. O'Brien) and late birds were 1 banded at Adventure on April 17, at Federalsburg on April 20 (Glime), and at Downsville on April 26 (Mallonee). Lincoln's Sparrows banded at Adventure numbered 19 from May 6 to 21 and at Sandy Spring 16 from May 13 to 27. Others were seen along the Youghiogheny River in Garrett County on May 5 (Thayer), 1 in Columbia, May 5-10 (Holmes +), 1 at Catholic University on May 12 (Czaplak), 3 at Sandy Point on May 12 (Nistico), 1 at Honey Lake on May 13 (A. Hammer), 2 at Beltsville on May 17 and 1 there on the 19th (Sumner). Late Swamp Sparrows were 1 at Claiborne on May 16 (Reese), in St. Marys County on May 19 (Nistico), and 3 each banded at Sandy Spring and Adventure on May 21. Late White-throated Sparrows were at Hazen Park on June 2 (Czaplak), banded at Sandy Spring on the same day, and at Beckleysville on June 4 (Kolb). The last White-crowned Sparrows were 3 at Claiborne on May 8 (Effinger), 4 in DC on May 10 (Czaplak), Pinto Marsh on May 18 (Simons), near Bellevue on May 19 (Armistead), 1 banded at Sandy Spring on the 19th, and in Frederick County on May 20 (D. Wallace). The Harris' Sparrow near Hampstead remained into April. A late Dark-eyed Junco was at Denton on May 9 (Knotts) and a possible summering bird was near Sherwood Forest on May 27 (Therres).

Icterines. The first Bobolinks were 7 in Belfast Valley on April 28 (Ringler, Webb), 5 at Sandy Point on April 29 (Slaughter), and 50 in eastern Talbot County on the 29th (TCBC). High counts were 100 near Madonna in May (Kirkwood), 25 near Galestown on May 3 (Dyke), 100 at Greensboro on May 5 (Fletchers), 200 in southern Frederick County on May 5 (D. Wallace), 260 in the National Colonial Farm—Alice Ferguson Farm area on May 5 (Nistico), and 110 at Claiborne on May 7 (Effinger). Late migrants were 4 in DC on May 27 (Czaplak), 1 near Bishopville on the same day (Ringler), on May 30 with 1 at Sixes Bridge in Carroll County (Ringler, Blom) and 1 at Four Points in Frederick County (Ringler), and a final flock of 50 over Rockville on June 1 (M. O'Brien). A male Yellow-headed Blackbird was in Kensington on March 9 (Don Smith). The only flocks of Rusty Blackbirds reported were 50 at Perryman on March 24 (Kirkwood), 200 at Hughes Hollow on March 17 (Wilson) and 40 there on April 5 (Blom), and late birds were 2 banded at Adventure on May 7 and 1 seen at Pocomoke Swamp on May 12 (Crowell, Thorsell). An early Northern Oriole was at Centreville on April 10; (Gruber).

Cardueline Finches. Purple Finches lingered very late into the spring with birds at Downsville (Mallonee) and 1 at Claiborne (Effinger) on May 17, 1 banded at

Adventure on May 18, and on May 20 at Beckleysville (Kolb) and in Frederick County (D. Wallace). Late Pine Siskins were 3 at St. Michaels on May 7 (Reese), at Denton on May 10 (Nuttall), Ocean City on May 12 (Wierenga, Mignogno), 1 at Bethesda on May 19 (Susan Strange), and 1 in Garrett County on May 25 (Thayer). Likewise, Evening Grosbeaks hung on very late with birds at Denton on May 7 (Ruth Jones), Frederick County on May 9 (D. Wallace), 4 at Claiborne on May 11 (Effinger), Beckleysville (Kolb) and Patuxent River Park (Gregoire) both on May 20, and finally a record late bird heard at Frostburg during the MOS Convention on June 2 (Robbins, Nistico).

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REPORT OF THE STATE-WIDE BIRD COUNT, MAY 5, 1984

JAMES STASZ

The 37th Annual "Bird Day" furthered the original purpose of what has become a ritual for many Maryland birders. This count started in 1949 to provide an opportunity for each and every member to enjoy a day's birding at the very height of the spring migration with the knowledge that the results of his/her findings, together with the birds counted by other members, would fit together like the pieces of a puzzle and reveal the status of bird migration throughout the state on a specified date. This year 443 observers in 228 parties logged 5684 miles to tally 173,938 individual birds representing 253 species. All 23 Maryland counties and the District of Columbia had some coverage. The tabular summary gives in detail the May 5 observations, together with the grand totals for each species. This year I have added zeros to highlight apparent misses and used an asterisk (*) to note significant sightings made on Sunday, May 6.

Lost within the summarization of all this effort are the individual events of the day. Every year Harry Armistead follows the same route in Dorchester County, a 20+ hour birding marathon; this year he included not only the standard list of totals, but a sequential list showing the time a species was added (#1 Henslow's Sparrow: midnight...#100 Ring-billed Gull: 8:45 a.m....#147 Common Nighthawk 9:10 p.m.). Dave Czaplak covered the District of Columbia and recorded 116 species, including a well-described and photographed Clay-colored Sparrow on the Mall at 17th & Constitution; he traveled by foot, Metro, and taxi and not in a car. Garrett County suffered with a cloudy, drizzly day and Worcester had sustained winds.

As usual some interesting birds were reported with less than satisfactory details. The complete details for one sighting were: "Seen by an experienced observer." Another bird was "Seen, discussed, and checked in field guide," but when asked for more details, the answer was "Change to 'X', the two observers did not agree"; I had believed the original identification, but just wanted some details to confirm this suspicion. In a challenge to all birders, try to figure out how a Philadelphia Vireo not singing and seen from behind only could be identified. One bird was described by a list of field marks: "bright rusty cap, plain dark breast spot, dark upper bill and light lower bill, at least five inches long"; this could be a Western Sandpiper, Brown Thrasher, Wood Thrush, Ovenbird, Green-tailed Towhee, American Tree Sparrow, or Song Sparrow; the real answer is of course none-of-the-above.

Species	Gar	All	Was	Fre	Mon	DC	CrI	How	Bal	Har	Cec
Red-throated Loon	—	—	—	—	—	—	—	—	—	—	—
Common Loon	3	—	—	—	—	1	—	2	3	—	—
Pied-billed Grebe	1	2	—	•	1	•	—	—	2	—	—
Horned Grebe	—	—	—	—	—	—	—	—	—	—	—
Northern Gannet	—	—	—	—	—	—	—	—	—	—	—
Sooty Shearwater	—	—	—	—	—	—	—	—	—	—	—
Wilson's Storm-Petrel	—	—	—	—	—	—	—	—	—	—	—
Double-crested Cormorant	•	—	—	—	—	3	—	—	6	1	51
American Bittern	—	—	1	1	2	•	—	1	1	4	—
Least Bittern	—	—	—	—	—	—	—	—	—	—	—
Great Blue Heron	—	10	3	8	3	—	—	4	6	18	10
Great Egret	—	—	—	—	—	—	—	—	—	3	—
Snowy Egret	—	—	—	—	—	—	—	—	—	—	—
Little Blue Heron	—	—	1	—	—	—	—	—	—	—	—
Tricolored Heron	—	—	—	—	—	—	—	—	—	—	—
Cattle Egret	—	—	—	—	—	9	—	1	1	15	—
Green-backed Heron	5	17	16	9	23	1	—	7	15	10	4
Black-crowned Night-Heron	—	—	—	—	2	10	—	—	52	—	—
Yellow-crowned Night-Heron	—	—	—	—	1	—	—	—	1	—	—
Glossy Ibis	—	—	—	—	—	—	—	—	—	—	—
Tundra Swan	—	—	—	—	—	—	—	—	—	—	—
Mute Swan	—	—	—	—	—	—	—	—	—	—	—
Snow Goose	—	—	—	—	—	—	—	—	—	—	—
Brant	—	—	—	—	—	—	—	—	—	—	—
Canada Goose	20	—	11	18	109	2	19	81	32	80	30
Wood Duck	11	43	81	36	55	2	—	12	18	4	5
Green-winged Teal	—	—	—	—	—	—	—	—	—	—	1
American Black Duck	—	5	1	—	2	—	—	—	10	—	1
Mallard	37	27	93	45	82	52	5	205	147	37	25
Northern Pintail	—	4	—	—	—	—	—	—	—	—	—
Blue-winged Teal	33	21	5	8	22	—	5	1	—	4	—
Northern Shoveller	—	—	—	—	—	—	—	—	—	—	—
Gadwall	—	—	—	—	—	—	—	—	2	—	—
American Wigeon	—	—	—	—	—	2	—	1	1	—	—
Canvasback	—	—	—	—	—	—	—	—	—	—	—
Redhead	—	—	—	—	—	—	—	—	—	—	—
Ring-necked Duck	9	8	—	—	—	—	—	1	—	—	—
Lesser Scaup	16	—	—	—	—	—	—	—	3	—	—
Scaup sp.	—	—	—	—	—	—	—	—	—	—	—
Oldsquaw	—	—	—	—	—	—	—	—	—	—	—
White-winged Scoter	—	—	—	—	—	—	—	—	—	—	—
Common Goldeneye	—	—	—	—	—	—	—	—	—	—	—
Bufflehead	2	—	—	—	—	—	—	4	—	—	—
Hooded Merganser	—	2	1	—	—	—	—	—	1	—	—
Common Merganser	—	2	—	•	—	—	—	—	—	—	—
Red-breasted Merganser	17	—	—	—	1	—	—	—	3	—	—
Ruddy Duck	—	—	—	—	—	—	—	1	15	—	—
Black Vulture	—	—	17	12	5	1	—	13	12	3	—
Turkey Vulture	14	64	44	85	70	1	7	115	93	37	29
Osprey	1	3	4	7	4	1	2	5	6	2	2
Bald Eagle	—										

Table 1. (cont.) Statewide Bird Count, May 5, 1984

PrG	Ann	Cal	Cha	StM	Ken	QAn	Crn	Tal	Dor	Wic	Som	Wor	Total	Co.
—	—	—	—	—	—	—	—	—	—	—	—	1	1	1
2	21	1	—	6	4	7	—	18	6	—	—	17	91	13
1	—	—	—	—	1	2	—	—	—	—	—	—	10	7
1	3	—	—	—	—	—	—	1	—	—	—	—	5	3
—	—	—	—	—	—	—	—	—	—	—	—	10	10	1
—	—	—	—	—	—	—	—	—	—	—	—	3	3	1
—	—	—	—	—	—	—	—	—	—	—	—	2	2	1
1	11	—	8	9	17	—	—	19	58	7	3	375	569	14
1	1	—	—	—	—	—	—	—	2	—	—	—	14	9
—	2	—	—	—	—	—	—	—	3	—	2	—	7	3
61	51	8	460	10	41	48	26	109	36	7	4	5	928	21
—	—	1	4	6	1	—	—	13	19	—	0	12	59	8
—	—	—	—	1	—	10	—	23	41	4	4	21	104	7
—	—	—	—	—	—	—	—	3	—	—	—	4	8	3
—	—	—	—	—	—	—	—	—	1	—	—	1	2	2
4	14	4	—	32	12	—	—	199	11	3	20	80	405	14
9	21	—	4	7	6	11	13	15	8	5	9	1	216	22
1	3	—	—	—	—	—	—	—	2	—	—	—	70	6
—	—	—	—	—	—	—	—	—	—	—	—	—	2	2
—	—	—	—	6	—	32	—	9	6	—	6	40	99	6
—	—	—	—	—	5	3	—	—	—	—	—	—	8	2
1	—	—	—	—	20	9	—	19	8	—	—	—	57	5
—	—	—	—	—	—	2	—	—	1	—	—	—	3	2
—	—	—	—	—	—	—	—	—	—	—	—	1	1	1
92	4	—	1	3	235	237	17	30	161	123	28	3	1336	22
37	10	—	16	9	7	14	38	13	8	3	—	—	422	20
15	—	—	—	—	2	1	—	—	22	—	—	—	41	5
2	10	—	5	3	12	25	—	23	34	1	5	—	139	15
107	72	29	40	11	349	74	42	85	73	27	28	13	1705	24
—	—	—	—	—	—	—	—	—	1	—	—	—	5	2
13	—	—	7	—	2	8	—	9	20	—	—	—	158	14
—	—	—	—	—	—	—	—	—	3	—	—	—	3	1
—	—	—	—	—	—	3	—	—	4	—	—	—	9	3
4	—	—	—	—	—	1	—	—	—	—	—	—	9	5
—	—	—	—	—	—	2	—	—	—	—	—	—	2	1
—	—	—	—	—	1	—	—	—	—	—	—	—	1	1
11	—	—	—	—	—	—	—	—	—	—	—	—	29	4
20	—	—	—	—	—	152	—	—	3	—	—	—	194	5
—	—	—	—	—	—	—	—	9	—	—	—	—	9	1
—	—	—	—	—	—	—	—	—	2	—	—	—	2	1
—	451	—	—	—	—	1	—	—	—	—	—	—	452	2
—	—	—	—	—	—	1	—	—	—	—	—	—	1	1
1	1	—	—	—	—	—	—	—	—	—	—	—	8	4
—	—	—	—	—	—	—	—	—	—	—	—	—	4	3
—	—	—	—	—	—	—	—	—	—	—	—	—	2	1
—	31	—	5	—	—	—	—	4	—	—	—	—	61	6
—	—	—	—	—	—	24	—	1	11	—	—	—	32	5
3	4	—	—	6	16	5	—	14	38	19	2	6	176	17
46	60	34	24	24	130	58	230	173	161	74	40	73	1686	24
31	32	13	13	26	24	24	11	148	42	10	6	12	429	24
3A,11	1A	1A	2A,11	4A,11	6A,11	1A,11	1A	11A,31	14A,41	2A	0	—	46A,161	11
4	11	1	—	3	2	—	1	2	14	—	—	—	47	14
2	275	1	2	—	1	2	1	3	2	—	2	—	307	16
2	—	1	—	—	—	—	—	—	—	—	—	—	11	6
12	15	1	12	6	3	1	3	3	1	3	—	1	184	21
3	27	2	5	—	1	—	—	—	—	—	—	—	96	14
27	15	8	11	2	4	2	19	22	5	6	2	1	222	23
1	5	3	—	3	4	6	8	4	—	4	—	1	89	20
—	5	—	—	—	—	—	—	—	—	—	—	—	6	2
—	—	—	—	—	—	—	—	—	1	—	—	—	7	2

Table 1. (cont.) Statewide Bird Count, May 5, 1984

Species	Gar	All	Was	Fre	Mon	DC	Crl	How	Bal	Har	Cer
Ring-necked Pheasant	—	1	7	15	10	—	8	30	27	12	1
Ruffed Grouse	13	5	4	—	—	—	—	—	—	—	—
Wild Turkey	5	3	7	—	5	—	—	—	—	—	—
Northern Bobwhite	—	1	19	12	10	—	—	22	11	4	15
Black Rail	—	—	—	—	—	—	—	—	—	—	—
Clapper Rail	—	—	—	—	—	—	—	—	—	—	—
King Rail	—	—	—	—	—	—	—	—	—	—	—
Virginia Rail	—	•	—	—	—	—	—	—	1	0	—
Sora	—	6	—	1	—	•	—	—	—	—	—
Common Moorhen	—	—	—	—	—	•	—	—	1	2	—
American Coot	1	4	1	1	4	—	2	—	6	—	—
Black-bellied Plover	•	—	—	•	—	—	—	—	1	—	—
Semipalmated Plover	—	—	—	—	—	•	—	—	3	—	—
Killdeer	22	40	23	17	7	6	0	36	14	4	4
American Oystercatcher	—	—	—	—	—	—	—	—	—	—	—
Greater Yellowlegs	2	1	7	1	3	1	2	2	15	21	1
Lesser Yellowlegs	8	3	22	16	30	26	—	22	8	19	—
Solitary Sandpiper	6	6	4	27	28	7	—	41	20	19	5
Willet	—	—	—	•	—	—	—	—	—	—	—
Spotted Sandpiper	46	18	16	20	39	8	2	60	109	7	24
Upland Sandpiper	2	—	1	—	—	—	—	—	—	—	—
Whimbrel	—	—	—	—	—	—	—	—	—	—	—
Ruddy Turnstone	—	—	—	—	—	—	—	—	—	—	—
Sanderling	—	—	—	—	—	—	—	—	—	—	—
Semipalmated Sandpiper	—	4	—	15	—	—	—	—	4	—	6
Least Sandpiper	6	5	1	13	8	8	3	3	33	29	7
White-rumped Sandpiper	—	1	—	2	—	—	—	—	—	—	—
Pectoral Sandpiper	1	—	—	•	6	•	—	1	1	—	—
Purple Sandpiper	—	—	—	—	—	—	—	—	—	—	—
Dunlin	1	5	—	—	—	—	—	—	—	—	—
Peep	—	1	—	—	—	—	—	—	—	—	—
Short-billed Dowitcher	—	—	—	—	—	—	—	—	—	—	—
Long-billed Dowitcher	—	—	—	•	—	—	—	—	—	—	—
Common Snipe	—	—	3	7	—	4	—	8	2	—	2
American Woodcock	2	—	2	—	4	—	—	—	13	2	1
Wilson's Phalarope	—	•	—	—	—	—	—	—	—	—	—
Parasitic Jaeger	—	—	—	—	—	—	—	—	—	—	—
Laughing Gull	—	—	—	—	—	—	—	—	19	—	0
Bonaparte's Gull	1	3	—	—	—	19	—	—	—	—	—
Ring-billed Gull	8	39	43	60	40	186	0	7	871	0	68
Herring Gull	—	—	—	—	—	3	—	—	1127	38	4
Glaucous Gull	—	—	—	—	—	—	—	—	—	—	—
Great Black-backed Gull	—	—	—	—	—	9	—	—	48	—	2
Caspian Tern	—	—	—	—	—	—	—	—	178	—	—
Royal Tern	—	—	—	—	—	—	—	—	—	—	—
Common Tern	—	—	—	—	—	—	—	—	—	—	—
Forster's Tern	—	—	—	•	—	•	—	—	7	—	—
Sterna sp.	—	1	—	—	—	—	—	—	—	—	—
Least Tern	—	—	—	—	—	—	—	—	3	—	—
Black Tern	—	—	—	•	—	—	—	—	—	—	—
Black Skimmer	—	—	—	—	—	—	—	—	—	—	—
Rock Dove	48	83	118	195	185	95	8	740	367	116	55
Mourning Dove	27	111	80	187	266	19	16	321	209	155	51
Black-billed Cuckoo	—	—	—	—	—	—	—	1	—	—	—
Yellow-billed Cuckoo	0	1	1	0	0	1	0	1	0	0	1
Common Barn-Owl	—	—	—	1	—	—	—	—	—	—	—
Eastern Screech-Owl	0	1	3	1	0	0	0	0	3	3	1
Great Horned Owl	2	0	3	0	3	0	0	1	1	3	1
Barned Owl	0	2	5	2	14	1	0	10	6	1	1
Common Nighthawk	—	9	1	—	1	—	—	—	—	—	—

Table 1. (cont.) Statewide Bird Count, May 5, 1984

PrG	Ann	Cal	Cha	StM	Ken	QAn	Crn	Tal	Dor	Wic	Som	Wor	Total	Co.
-	-	-	-	-	-	2	-	-	2	-	-	-	115	11
-	-	-	-	-	-	-	-	-	-	-	-	-	22	3
-	-	-	-	-	-	-	-	-	-	-	-	-	20	4
12	21	9	18	9	29	27	104	121	56	31	17	19	567	21
-	-	-	-	-	-	-	-	-	2	-	-	-	2	1
-	-	-	-	-	-	-	-	1	3	-	0	0	4	2
-	-	-	-	-	2	-	1	-	1	-	-	-	4	3
0	10	-	-	-	10	0	2	13	42	0	7	0	85	7
-	4	-	-	-	2	-	-	2	2	-	-	-	17	6
1	-	-	-	-	-	-	-	-	1	-	-	-	5	4
2	-	-	-	-	-	-	-	-	1	-	-	-	22	9
-	3	-	-	-	-	-	-	4	12	-	-	17	37	5
-	2	-	-	6	9	-	4	6	4	52	-	1	87	9
14	12	0	9	7	8	1	30	33	16	12	8	3	326	22
-	-	-	-	-	-	-	-	-	-	-	-	9	9	1
325	5	15	3	8	13	15	61	28	184	18	1	1	733	24
7	6	-	-	15	18	-	31	17	86	2	0	1	337	18
18	12	-	8	1	12	3	1	7	4	13	-	-	242	20
-	-	-	-	1	-	-	-	-	31	6	0	156	194	4
99	27	10	17	5	6	5	4	8	15	8	8	9	570	24
-	-	-	-	-	-	-	1	-	-	-	-	-	4	3
-	-	-	-	-	-	-	-	-	-	-	-	5	5	1
-	-	-	-	-	1	-	-	-	-	-	-	9	10	2
-	9	-	-	8	-	-	-	-	-	-	-	90	107	3
3	1	-	-	-	11	-	27	19	-	6	-	2	98	11
6	19	2	-	5	95	-	96	46	151	-	0	0	536	19
-	-	-	-	-	3	-	-	-	-	-	-	-	6	3
2	-	-	-	-	9	-	15	4	4	-	-	-	43	9
-	-	-	-	-	-	-	-	-	-	-	-	7	7	1
-	1	-	-	-	3	-	-	-	115	-	0	75	200	6
-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
-	-	-	-	-	-	-	-	-	7	-	-	1	8	2
-	-	-	-	-	-	-	-	-	-	-	-	-	•	•
-	-	-	-	-	-	-	1	1	2	-	-	-	30	9
-	4	3	3	3	6	-	2	6	6	-	-	-	57	14
-	-	-	-	-	2	-	-	-	-	-	-	-	2	1
-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
12	564	86	8	308	17	68	500	1596	568	566	57	1000	5369	14
-	5	-	-	-	-	-	-	1	-	-	-	-	29	5
28	373	25	201	279	570	104	200	513	184	8	8	200	4015	22
30	392	4	49	70	282	3	-	33	148	45	26	52	2306	16
-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
1	12	0	3	11	46	3	-	3	2	0	0	5	145	12
6	10	1	2	-	1	1	-	-	2	-	-	-	201	8
-	-	-	-	27	-	-	-	2	-	34	-	56	119	4
-	2	-	-	-	-	22	-	2	128	0	0	210	364	5
-	9	-	-	-	-	-	-	1	25	0	0	0	42	4
-	-	-	-	-	2	-	-	-	-	-	-	-	3	2
-	-	-	-	1	-	-	-	4	45	6	-	15	74	6
-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
-	-	-	-	-	-	-	-	-	10	-	-	5	15	2
113	191	20	0	1	60	27	99	74	38	28	0	11	2672	22
52	149	37	93	40	127	104	149	149	47	57	21	7	2474	24
-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
0	0	0	0	1	1	0	3	0	1	5	0	0	16	10
-	2	-	-	-	1	-	-	1	-	-	-	-	5	4
1	0	0	0	2	8	0	3	17	2	1	1	0	47	14
1	3	0	2	0	5	1	3	18	6	1	0	0	54	16
3	1	0	1	1	2	4	11	11	4	2	0	0	82	19
-	1	-	-	-	1	-	3	-	3	-	1	-	20	8

Table 1. Statewide Bird Count, May 5, 1984

Species	Gar	All	Was	Fre	Mon	DC	CrI	How	Hal	Har	Cec
Chuck will's-widow	—	—	5	—	—	—	—	—	2	—	—
Whip-poor-will	0	3	4	0	5	—	0	2	7	0	3
Chimney Swift	17	98	85	113	99	272	18	609	238	57	27
Ruby-throated Hummingbird	2	9	7	3	22	*	3	22	10	6	4
Belted Kingfisher	9	5	12	12	15	—	1	23	15	8	1
Red-headed Woodpecker	4	—	—	1	1	—	1	1	1	4	3
Red-bellied Woodpecker	3	51	66	69	159	9	8	123	55	28	18
Yellow-bellied Sapsucker	1	4	—	—	1	—	—	—	—	—	—
Downy Woodpecker	27	60	48	52	102	8	7	74	42	16	14
Hairy Woodpecker	10	12	6	3	25	3	1	6	9	4	1
Northern Flicker	17	51	81	45	108	8	12	81	39	33	17
Pileated Woodpecker	3	28	19	9	35	1	2	13	3	—	—
Olive-sided Flycatcher	—	2	—	—	—	—	—	—	—	—	—
Eastern Wood-Pewee	2	2	1	9	10	—	—	10	1	—	2
Acadian Flycatcher	—	—	1	5	50	*	—	8	4	1	3
Willow Flycatcher	—	—	—	—	—	—	—	—	—	—	—
Least Flycatcher	5	2	—	—	1	—	—	1	1	—	—
Empidonax sp.	—	—	—	—	—	—	—	—	—	—	—
Eastern Phoebe	19	56	48	19	42	3	3	53	37	11	3
Great Crested Flycatcher	1	17	65	9	59	5	3	9	18	2	6
Eastern Kingbird	8	41	21	42	77	2	2	106	56	28	26
Horned Lark	5	3	14	9	1	—	0	3	0	7	0
Purple Martin	19	—	42	16	26	—	2	37	62	16	1
Tree Swallow	162	179	70	50	173	*	4	141	39	18	285
Rough-winged Swallow	30	40	46	50	90	17	—	61	97	—	20
Bank Swallow	5	40	7	30	16	*	4	59	11	1	220
Cliff Swallow	42	4	26	4	3	—	8	10	55	—	—
Barn Swallow	277	291	148	140	206	37	17	349	261	172	130
Blue Jay	152	147	139	69	285	35	57	302	216	183	45
American Crow	164	128	182	323	420	48	14	426	203	105	44
Fish Crow	—	7	26	40	34	5	0	33	13	13	22
Crow sp.	—	—	—	20	—	—	—	—	7	—	—
Northern Raven	—	5	1	2	—	—	—	—	—	—	—
Black-capped Chickadee	163	217	6	—	1	—	—	2	—	1	—
Carolina Chickadee	—	—	107	52	282	28	11	196	110	32	37
Tufted Titmouse	36	121	121	89	224	29	13	152	105	35	26
Red-breasted Nuthatch	4	—	1	6	1	1	—	—	2	—	—
White-breasted Nuthatch	28	27	28	22	42	6	5	16	18	10	1
Brown-headed Nuthatch	—	—	—	—	—	—	—	—	—	—	—
Brown Creeper	2	3	7	1	—	—	—	1	—	—	—
Carolina Wren	—	40	32	25	66	14	3	44	35	12	7
House Wren	30	25	38	124	322	6	17	89	62	24	11
Winter Wren	1	—	—	—	—	—	—	—	—	—	—
Marsh Wren	—	—	—	—	1	—	—	—	15	0	0
Golden-crowned Kinglet	—	8	—	—	—	—	—	—	—	—	—
Ruby-crowned Kinglet	39	22	9	5	23	2	—	16	8	3	3
Blue-gray Gnatcatcher	52	150	112	79	390	2	0	196	86	38	0
Eastern Bluebird	19	49	43	35	41	—	16	100	31	44	4
Veery	6	2	7	5	88	10	4	54	59	10	1
Gray-cheeked Thrush	—	—	—	—	—	1	—	—	1	—	—
Swainson's Thrush	2	—	11	7	80	9	2	14	5	6	—
Hermit Thrush	2	1	—	3	6	3	1	7	6	2	1
Catharus sp.	—	—	—	—	1	—	—	—	—	—	—
Wood Thrush	74	86	59	77	196	9	9	199	93	66	45
American Robin	324	745	264	265	264	23	24	496	394	218	138
Gray Catbird	46	102	80	201	553	31	25	629	283	73	33
Northern Mockingbird	—	74	35	71	103	20	5	142	50	67	22
Brown Thrasher	17	21	31	24	61	4	6	26	25	12	8
Water Pipit	—	2	16	66	—	—	—	—	—	14	—
Cedar Waxwing	—	—	66	9	48	1	—	18	12	17	—

Table 1. (cont.) Statewide Bird Count, May 5, 1984

PrG	Ann	Cal	Cha	StM	Ken	QAn	Crn	Tal	Dor	Wic	Som	Wor	Total	Co.
—	5	—	—	—	9	—	2	13	4	0	0	0	40	7
2	1	0	0	0	2	1	21	1	4	3	1	0	60	15
68	200	11	46	32	91	55	72	151	99	20	1	5	2484	24
6	16	14	27	8	16	4	15	14	4	2	5	4	223	23
15	7	8	5	1	3	1	6	—	1	3	2	—	153	21
3	—	—	—	—	1	—	—	—	2	—	0	0	22	11
36	73	13	58	11	30	12	61	73	28	13	6	10	1013	24
—	2	—	—	—	—	—	—	—	—	—	—	—	8	4
13	49	7	27	7	20	12	32	63	16	15	5	4	720	24
2	4	0	2	1	7	5	7	9	5	4	0	2	128	22
18	52	4	7	10	30	25	36	49	25	10	5	28	791	24
4	12	1	3	—	3	—	11	3	4	5	1	1	161	20
—	—	—	1	—	—	—	—	—	—	—	—	—	3	2
4	5	—	5	5	6	3	6	9	7	—	1	7	95	19
6	3	—	19	3	2	4	16	3	2	6	—	2	138	18
—	—	—	—	—	—	2	—	—	—	—	—	—	2	1
—	2	—	—	—	—	—	—	—	—	—	—	—	12	6
1	—	—	—	—	—	—	—	—	—	—	—	—	1	1
24	6	2	23	—	10	4	14	9	—	4	2	1	393	22
4	39	2	14	1	19	13	56	63	36	22	15	9	487	24
34	209	15	38	18	31	33	64	64	42	20	8	3	991	24
—	—	—	—	—	37	7	83	54	25	1	0	0	249	13
47	36	84	34	35	72	75	227	131	100	13	15	9	1099	22
1294	394	163	16	2	440	37	40	24	71	4	11	3	3620	23
21	103	15	13	4	16	5	13	10	—	5	—	—	663	20
31	176	52	—	—	104	—	—	2	6	8	—	—	772	17
5	5	—	—	—	1	2	—	—	2	—	—	—	167	13
537	606	86	195	157	356	161	302	388	274	79	52	98	5319	24
29	4714	158	74	29	141	63	208	154	42	61	24	16	7343	24
94	194	25	158	45	215	140	275	164	80	39	27	35	3548	24
36	90	16	20	15	64	41	23	91	42	85	12	27	755	22
—	—	—	—	—	—	—	—	—	—	—	—	—	27	2
—	—	—	—	—	—	—	—	—	—	—	—	—	8	3
—	—	—	—	—	—	—	—	—	—	—	—	—	390	6
61	173	15	47	32	81	38	120	182	41	40	16	18	1719	22
37	125	6	108	18	37	18	150	172	56	55	15	47	1795	24
2	1	—	4	—	1	—	—	1	1	1	—	—	26	13
4	16	1	8	1	2	2	6	1	—	6	0	1	251	22
—	—	—	—	3	—	—	—	6	5	2	0	2	18	5
—	4	—	—	—	—	—	2	1	—	—	—	0	21	8
38	67	7	34	22	35	33	25	65	46	29	10	18	707	23
5	48	0	6	2	47	5	15	14	20	20	8	13	951	23
—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
2	8	1	0	0	6	0	6	1	40	4	9	0	93	11
—	—	—	—	—	—	—	—	—	—	—	—	—	8	1
2	17	1	10	1	3	1	—	2	—	—	—	—	167	18
44	84	7	59	12	52	9	32	65	14	6	0	0	1489	20
37	18	7	33	7	10	4	66	22	25	7	21	2	641	23
8	29	3	5	2	5	6	5	7	—	1	—	1	318	22
—	—	—	—	—	—	—	—	—	—	—	—	—	2	2
7	17	2	6	—	—	—	—	—	—	—	—	—	168	13
—	1	—	—	—	2	—	2	—	1	1	—	—	39	15
—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
43	105	7	48	3	117	40	119	73	44	37	8	65	1622	24
65	387	50	100	81	960	197	369	485	168	183	38	137	6375	24
75	148	8	45	18	266	36	69	93	29	31	18	31	2923	24
27	99	15	49	27	83	62	127	140	40	34	13	22	1327	23
5	39	6	13	12	39	16	87	23	13	9	2	4	503	24
—	—	—	—	—	1	20	—	35	—	—	—	—	154	7
35	59	22	50	20	8	9	25	29	15	—	—	—	443	17

Table 1. (cont.) Statewide Bird Count, May 5, 1984

PrG	Ann	Cal	Cha	StM	Ken	QAn	Crn	Tal	Dor	Wic	Som	Wor	Total	Co.
—	—	—	—	—	—	—	—	—	—	—	—	—	2	1
161	526	49	129	102	356	257	881	345	396	372	63	128	7951	24
42	63	13	36	13	75	21	50	86	40	31	23	42	989	24
1	1	—	—	—	4	—	—	1	—	1	—	1	70	14
7	10	—	17	—	8	—	3	1	3	8	0	0	150	17
1	—	—	—	—	5	—	1	—	—	—	—	—	91	11
48	98	15	155	18	56	18	102	120	50	36	22	12	1168	23
—	—	—	—	—	1	—	—	—	—	—	—	—	2	2
21	31	0	17	3	22	1	10	15	9	2	—	1	344	21
—	1	—	—	—	1	—	—	—	—	—	—	—	51	9
—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
2	3	—	—	—	3	—	—	2	—	—	—	—	70	12
1	—	—	—	1	4	1	—	—	—	—	—	—	95	12
32	83	3	62	5	25	8	18	61	20	9	0	7	807	23
20	42	4	14	8	127	10	3	39	18	4	9	13	944	24
6	11	—	4	—	6	—	—	4	—	—	—	—	194	15
5	5	—	—	—	5	—	—	1	—	—	—	—	83	12
7	—	—	5	—	5	—	—	3	1	—	—	—	44	11
8	13	1	4	1	6	—	1	2	1	2	—	—	356	19
104	470	8	131	50	361	82	189	860	89	37	5	10	4643	24
7	14	1	3	3	12	—	1	5	6	1	—	—	224	20
6	3	—	1	1	5	3	2	2	—	—	—	—	73	16
1	—	2	—	—	4	1	—	3	—	4	0	0	48	11
16	7	—	12	10	11	2	39	60	58	17	4	4	296	16
28	20	2	37	9	15	1	15	7	28	14	5	0	364	20
1	4	—	1	—	1	—	2	—	—	—	—	—	29	11
—	—	—	—	—	3	—	—	—	—	—	—	—	21	4
9	8	—	5	1	2	—	—	—	—	—	—	—	58	11
—	—	—	—	2	2	—	—	2	—	—	—	—	97	12
40	61	5	27	12	30	1	25	43	22	10	1	7	730	24
19	63	0	24	6	26	2	2	12	7	4	0	0	825	21
9	3	1	9	—	5	8	27	5	8	16	0	5	149	16
4	2	—	4	3	4	—	3	6	4	6	0	16	104	20
41	73	7	61	7	33	4	84	43	54	30	22	29	985	24
5	12	—	2	—	4	—	3	—	3	1	—	—	144	16
2	10	1	10	0	3	3	11	7	0	8	0	1	189	20
4	12	—	8	—	10	9	20	25	3	1	0	6	166	19
—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
—	—	—	1	—	—	—	—	—	—	—	—	—	1	1
81	160	10	50	15	217	45	56	123	83	35	14	27	2085	24
12	33	4	29	—	3	—	—	2	1	4	0	11	199	18
1	1	1	—	—	2	—	—	—	—	—	—	—	15	10
3	1	—	—	—	2	—	—	—	—	—	—	1	28	10
7	13	4	11	2	8	5	17	21	7	3	2	1	210	21
2	2	5	1	5	3	—	6	13	24	9	3	0	73	11
21	54	0	31	5	22	5	24	21	5	9	0	0	432	21
88	296	44	133	29	226	186	183	258	68	101	42	36	3832	24
8	14	4	9	2	4	0	9	4	—	3	—	2	431	21
13	5	1	7	5	17	8	43	21	20	9	0	2	173	16
20	30	1	44	29	25	7	40	27	14	7	12	0	547	23
—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
52	156	10	43	10	63	33	73	68	39	19	13	36	1592	24
51	67	14	56	29	79	38	102	191	54	30	27	19	1596	24
—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
38	42	3	19	10	114	10	36	26	20	7	1	3	874	24
—	—	—	—	—	3	—	5	—	3	—	—	—	38	9
3	31	2	0	5	7	6	6	38	19	3	0	9	264	19
2	7	—	—	4	11	1	11	9	4	—	—	—	159	17
—	—	—	—	—	—	—	2	—	5	—	—	—	7	2

Table 1. (cont.) Statewide Bird Count, May 5, 1984

Species	Gar	All	Was	Fre	Mon	DC	Crl	How	Bal	Har	Cec
Sharp-tailed Sparrow	—	—	—	—	—	—	—	—	—	—	—
Seaside Sparrow	—	—	—	—	—	—	—	—	—	—	—
Fox Sparrow	1	—	—	—	—	—	—	—	—	—	—
Song Sparrow	195	145	99	140	176	22	4	251	185	32	46
Lincoln's Sparrow	1	—	1	—	—	—	—	1	—	—	—
Swamp Sparrow	23	5	6	12	36	2	0	13	43	7	2
White-throated Sparrow	45	132	194	380	1702	240	40	584	331	126	54
White-crowned Sparrow	2	9	12	9	5	1	—	12	—	5	—
Dark-eyed Junco	9	1	6	—	3	2	—	2	—	1	—
Bobolink	91	61	13	251	236	14	0	750	879	146	100
Red-winged Blackbird	276	301	213	210	248	12	23	508	479	177	281
Eastern Meadowlark	41	35	58	70	51	—	4	59	32	28	14
Rusty Blackbird	—	—	15	—	3	—	2	7	2	—	—
Boat-tailed Grackle	—	—	—	—	—	—	—	—	—	—	—
Common Grackle	309	422	514	561	538	51	33	573	484	385	218
Brown-headed Cowbird	129	215	123	73	221	6	23	137	115	31	28
Blackbird sp.	—	1	—	—	—	—	—	—	—	—	—
Orchard Oriole	—	1	9	8	15	5	2	5	3	5	5
Northern Oriole	2	24	75	37	104	11	7	41	36	15	8
Purple Finch	46	99	425	58	104	1	81	82	59	31	0
House Finch	46	187	28	51	72	19	12	108	105	26	11
Pine Siskin	50	54	7	—	—	—	—	1	2	—	—
American Goldfinch	183	690	873	295	743	55	32	458	407	107	57
Evening Grosbeak	82	94	46	8	16	—	—	10	35	—	—
House Sparrow	59	172	196	302	154	143	32	257	417	93	79
Species	134	150	154	139	150	116	83	153	168	123	110
Individuals	5072	8007	7323	7071	15279	2200	850	14504	12581	4231	3217
Coverage and Weather											
Observers	15	38	21	33	47	1	9	59	30	27	7
Parties	9	19	9	19	19	1	1	29	17	7	5
Miles Foot	38	36½	28½	31½	102	10	7	120	86½	31	12
Miles Car	576	148	255	320	121¼	0	15	316	144½	215	100
Miles Boat	2	—	—	—	—	—	—	—	1	—	—
Miles Other	—	—	30*	—	—	21**	—	—	—	—	—
Total Miles	616	184½	313½	351½	223¼	31	22	436	232	246	112
Hours Foot	46	37	37	55½	153¼	10	10¾	140	118	29	19½
Hours Car	50½	32	27½	19½	10¼	—	½	21	11½	18	7
Hours Boat	1	—	—	—	—	—	—	—	2	—	—
Hours Other	—	—	9	—	—	1	—	—	—	—	—
Total Hours	97½	69	73½	75	163½	11	11¼	161	131½	47	26½
Miles Owling	10	4½	1½	5	0	0	0	—	½	28	3
Hours Owling	1	1½	1	2	0	½	0	—	2	3	2
Time Start	0500	0500	0500	0530	—	0500	0720	0300	0445	0430	0500
Time Stop	2245	2100	2230	2230	—	1800	0810	2030	2200	1800	1915
Temp A.M.	40	48	52	50	50	55	50	55	50	50	50
°F Noon	50	63	—	—	—	65	65	—	80	—	75
P.M.	57	46	68	70	75	75	65	70	70	75	60
Wind A.M.	10	0	Var	5-15	5-10	0	5-10	—	0-15	0	5-10
Noon	5	10	—	—	—	15	5-15	—	0-15	—	10-20
P.M.	0	5	—	5-15	5-10	5	0	—	0-15	10	5-10
% Clouds A.M.	100	95	80	60	0	0	25	—	20	0	10
Noon	80	50	—	—	40	40	10	—	40	—	10
P.M.	100	85	80	0	60	60	50	—	60	25	10
Precipitation	***	****	—	0	0	0	0	0	0	0	0

*bicycle

**subway and taxi

***light rain

****some light rain

Table 1. (cont.) Statewide Bird Count, May 5, 1984

PrG	Ann	Cal	Cha	StM	Ken	QAn	Crn	Tal	Dor	Wic	Som	Wor	Total	Co.
—	—	—	—	—	—	—	—	—	1	—	0	0	1	1
—	8	—	—	—	—	4	—	—	50	—	0	0	62	3
—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
18	116	14	20	9	53	21	19	40	17	6	9	17	1654	24
—	—	—	—	—	—	—	—	—	—	—	—	—	2	3
26	37	—	1	—	7	4	3	3	5	—	—	1	236	19
189	931	10	115	40	300	118	222	273	50	63	28	15	6205	24
—	4	1	—	5	3	1	—	—	—	—	—	—	69	13
2	—	—	—	—	5	2	8	2	—	—	—	—	43	12
298	856	16	35	55	27	1	162	102	18	0	56	0	4167	21
270	630	209	207	40	2639	405	470	979	746	126	66	96	9611	24
5	62	2	12	12	31	6	19	31	30	1	15	0	618	22
11	—	—	3	—	5	—	—	1	—	—	—	—	49	9
—	—	—	—	2	—	—	—	—	6	30	0	150	188	4
203	572	114	261	172	927	604	1971	2054	1005	416	190	1000	13577	24
31	121	52	23	16	413	16	146	257	100	88	23	86	2473	24
—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
5	14	3	7	3	36	10	42	50	25	16	9	0	278	22
8	7	0	16	17	25	1	20	24	8	2	0	3	491	22
9	23	9	—	1	—	—	7	2	—	3	—	3	1043	18
6	68	12	10	3	51	6	38	17	—	4	—	13	893	22
5	2	—	6	—	—	—	1	2	—	—	—	—	130	10
166	801	133	195	55	291	67	135	300	116	24	35	30	6248	24
3	12	—	—	8	5	—	5	13	—	38	—	9	384	15
30	153	34	62	57	164	67	424	231	157	187	28	43	3541	24
159	164	100	122	124	171	130	133	161	163	125	83	121	253	
6431	18432	1978	4632	2532	12782	4467	10387	13672	7774	3949	1398	5169	173938	

Coverage and Weather

20	13	8	14	9	9	9	29	19	8	12	6	9	443
10	10	4	9	6	6	4	15	11	3	8	2	5	228
53	35	13	39	16	19	9	30	22 1/2	6	59	7	8	819.5
55	166 1/4	15	182	55	267	265	381	435 1/2	421	110	82	83	4728.5
53	—	—	—	—	—	—	1	28	—	—	—	—	85 -
—	—	—	—	—	—	—	—	—	—	—	—	—	51
161	201 1/4	28	241	71	286	274	412	486	427	169	89	81 -	5684
44	72	19	38 1/2	22 1/2	16 1/2	10 1/4	42	51	15	29	9	8	1032.75
4 1/2	16	3	15 1/2	4 1/2	30 1/2	21	41	25 1/2	32	12	7	14	424.25
10	—	—	—	—	—	—	1	7	—	—	—	—	21 -
—	—	—	—	—	—	—	—	—	—	—	—	—	10
58 1/2	88	22	54	27	47	31 1/4	84	83 1/2	47	41	16	22 +	1488
9	0	0	1	18	—	—	10	34	45	0	1	0	170.5
2 1/2	3	0	1/2	3	5	4	6	4	5	1/2	1/2	0	47
0500	0330	0600	0530	0600	0200	0215 -	0400	0430	0000	0430	0600	0545	0000
2100	2130	1600	2045	1700	1800	2115	2400	1910	2130	1900	1930	1600	2400
52	—	—	53	50	50	55	51	55	61	53	55	50	40
65	—	—	—	—	—	65	74	—	75	—	70	—	80
70	—	78	78	74	70	65	67	71	64	72	75	65	78
5-10	—	—	0	0	—	15	15	5	20	—	15	15	
5-10	—	—	—	5	—	5	20	20	10	—	10	20	
0	—	—	5-10	5	—	0	20	5	5	—	5	15	
5	—	0	0	0	0	0	0	0	0	5	5	—	
20	—	0	—	—	50	0	0	0	5	15	15	—	
50	—	—	50	50	50	50	0	0	50	50	50	—	
0	—	0	—	0	0	0	0	0	0	0	0	0	

Wind mostly NW in western and central Maryland, SE on Eastern Shore

More than anything a set of details should be a word-picture of the sighting. Appearance, vocalizations, behavior, habitat, viewing conditions, viewing equipment. It should contain only the facts. It is not proper to say "as large as a crow" if there was no crow nearby to compare with it. This set of details can be accompanied by a set of inferences: "it was as big as the crow I saw a few minutes earlier." As a test of your notes, hand them to someone who did not see the bird (it is cheating if you include the species name in your notes), and see if they can tell you what you saw. When in doubt, take notes; if still in doubt, do not guess, just another one got away.

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MARYLAND ORNITHOLOGICAL SOCIETY MINUTES OF THE ANNUAL MEETING, JUNE 2, 1984

The 37th annual membership meeting of the Maryland Ornithological Society convened at Frostburg, Maryland on June 2, 1984. President Martha Chestem called the session to order at 8:25 p.m., noting that a quorum was present. A motion was introduced by Mr. Cheevers, seconded and passed, approving Minutes of the last annual meeting as written.

Treasurer's Report—Richard Cleveland. The Society is solvent, with liquid assets of approximately \$109,000, an increase of about \$9,000 from last year. In the course of the past year we have changed banks, and converted a regular savings account and proceeds of two mature CD's into money market accounts. Our investments are earning good returns. A motion by CDR Gregoire was seconded and approved, accepting the Treasurer's report, which will be published in the June 1984 issue of *Maryland Birdlife*.

President's Message—Martha Chestem. Miss Chestem thanked the chapters, the Board of Directors, and all who contributed toward making this a successful MOS year. Major accomplishments included the addition of the new Jug Bay

Chapter, an increase in membership, and the productive initiation of the Atlas project. In April 1985 the Society will assist with the joint annual meeting of the Eastern and Northeastern Bird Banding Associations.

Executive Secretary—Mary Love. Current membership is 2498, an increase of approximately 300. Changes of address and mailing problems should be reported to Mrs. Love.

Committee Reports. Complete reports of the chapter presidents and committee chairmen will be published in the June 1984 issue of *Maryland Birdlife*. Chairmen in attendance also gave oral reports, briefly synopsized here:

Atlas—John Cullom. The first year has been a big success, with participation by some 650 persons, and 177 species confirmed as breeders. Second year field work is off to a good start. The financial status of the project continues to be tenuous. It was announced that approximately \$1600 was earned for the Atlas by the convention raffle and auction, plus about \$300 by the sale of T shirts.

Bylaws—Lee Meinersmann. A proposed amendment to Section 1, Article X was presented, specifying that the annual membership meeting of the Society be held between April 15 and June 15. After considerable discussion and a split vote, the amendment was rejected.

Conservation—Anneke Davis. In Maryland, positive legislation has included ten bills to clean up the Chesapeake Bay, wildlands designation for some areas, and passage of the Birdwatchers Bill to support nongame species. On the negative side, the Chickadee Checkoff and Bottle Bills failed, and the status of other wildlands is in doubt. The fight continues to preserve intact Green Ridge State Forest. A lawsuit is planned by conservation organizations to prevent Soil Conservation District projects which would pollute the Chester River. Members were urged to maintain an awareness of conservation issues and communicate their thoughts to their legislators. Information may be received on hotlines maintained by the National Audubon Society (202-547-9017) and Sierra Club (202-547-5551).

Convention—Anthony White. This year's convention was the largest ever held by MOS, with 414 attendees. Appreciation was expressed to all who helped achieve this success, especially members of the Allegany Chapter under the able leadership of Mary Twigg.

Eagle—John Gregoire. There were no reports of eagle tampering this past year. Work is going well, with expectation of banding 95-100 eaglets this year. PEPCO has agreed to fund the definitive report on eagle habitat management. Representatives from some chapters are still needed to assist with landowner contacts, particularly on the Eastern Shore.

Education—James Cheevers. The MOS Junior Achievement Award in Ornithology was awarded to John Goodin of Rockville; eligible recipients of future awards are being sought. The Speakers List has been revised and distributed to the chapters. Another Lister's Trip is scheduled for October.

Library—Joy Wheeler. Cataloging of our library holdings continues. At Carey Run, books and magazines have been sorted and shelves cleaned. Book reviews

have been written for publication in *Maryland Birdlife*. Back issues of the journal are available.

Publications—Chandler Robbins. Three issues of *Maryland Birdlife* are in various stages of preparation. Chapter presidents and committee chairmen were requested to furnish written reports of 1983-84 activities for inclusion in the June 1984 number. The Yellowthroat continues to be published under the able leadership of Cameron Lewis.

Sanctuary—Benjamin Poscover. A successful sanctuary program is maintained, with good support from the chapters and members of the Sanctuary Committee. Some major improvements have been made at Irish Grove. Workdays will again be held, on November 1 at Irish Grove and April 27 at Carey Run.

Scholarship—Mildred Gebhard. Winners of awards to Cornell workshops were announced: Mark Hoffman (Chandler S. Robbins Scholarship), and Celeste Tiller (Eleanor C. Robbins Scholarship). The Scholarship Fund has attained self-sufficiency, thanks to several large donations. Next year the Committee plans one scholarship drive, combining the four scholarships to Audubon camps and the two to Cornell.

Nominating—John Malcolm. Nominated to serve as officers of the Society for the forthcoming year: President, Martha Chestem; Vice President, Anthony W. White; Treasurer, Richard Cleveland; Secretary, Helen Ford. There were no nominations from the floor. A motion was made by Mr. Mason, seconded and passed, directing that nominations be closed and the slate elected. Two retiring members of the Committee, Lucille Spain and Benjamin Poscover, were thanked for their services.

At 9:50 p.m., a motion to adjourn was received from Mrs. Oberman, seconded and passed.

Respectfully submitted,
Helen M. Ford, Secretary

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